

## Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Code: 003\_018  
Product name: DEO MATIC RICARICA FRUTTI TROPICALI E COCCO  
UFI : SA8N-11WW-P209-2JFM

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

| Identified Uses      | Industrial | Professional | Consumer |
|----------------------|------------|--------------|----------|
| Room deodorant       | -          | ✓            | ✓        |
| Uses Advised Against |            |              |          |

Do not use for uses other than those indicated

#### 1.3. Details of the supplier of the safety data sheet

Name: BERGEN S.r.l.  
Full address: VIA ROMA, 90  
District and Country: 37060 CASTEL D'AZZANO (VR)  
Italia  
Tel. +39 045512090  
  
www.bergen.it

e-mail address of the competent person

responsible for the Safety Data Sheet: info@bergen.it

#### 1.4. Emergency telephone number

For urgent inquiries refer to: BERGEN S.r.l.  
  
+39 045512090  
  
(08.30 - 17.30)

### SECTION 2. Hazards identification

#### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

|                                                              |              |                                                                             |
|--------------------------------------------------------------|--------------|-----------------------------------------------------------------------------|
| Aerosol, category 1                                          | H222<br>H229 | Extremely flammable aerosol.<br>Pressurised container: may burst if heated. |
| Eye irritation, category 2                                   | H319         | Causes serious eye irritation.                                              |
| Skin sensitization, category 1                               | H317         | May cause an allergic skin reaction.                                        |
| Specific target organ toxicity - single exposure, category 3 | H336         | May cause drowsiness or dizziness.                                          |

## 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:

Danger

Hazard statements:

|      |                                             |
|------|---------------------------------------------|
| H222 | Extremely flammable aerosol.                |
| H229 | Pressurised container: may burst if heated. |
| H319 | Causes serious eye irritation.              |
| H317 | May cause an allergic skin reaction.        |
| H336 | May cause drowsiness or dizziness.          |

Precautionary statements:

|           |                                                                                                |
|-----------|------------------------------------------------------------------------------------------------|
| P101      | If medical advice is needed, have product container or label at hand.                          |
| P102      | Keep out of reach of children.                                                                 |
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211      | Do not spray on an open flame or other ignition source.                                        |
| P251      | Do not pierce or burn, even after use.                                                         |
| P337+P313 | If eye irritation persists: Get medical advice / attention.                                    |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.                   |
| P501      | Dispose of the product / container in accordance with current regulations.                     |

|           |                                                                                                 |
|-----------|-------------------------------------------------------------------------------------------------|
| Contains: | GERANYL ACETATE<br>PROPAN-2-OL<br>2H-CHROMEN-2-ONE<br>PIPERONAL<br>ALLYL 3-CYCLOHEXYLPROPIONATE |
|-----------|-------------------------------------------------------------------------------------------------|

## 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

## SECTION 3. Composition/information on ingredients

### 3.1. Substances

Information not relevant

## 003\_018 - DEO MATIC RICARICA FRUTTI TROPICALI E COCCO

## 3.2. Mixtures

Contains:

| Identification                      | x = Conc. %         | Classification (EC) 1272/2008 (CLP)                                                                                                                                                   |
|-------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BUTANE</b>                       |                     |                                                                                                                                                                                       |
| CAS 106-97-8                        | $45 \leq x < 47,5$  | Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: C, U                                                                      |
| EC 203-448-7                        |                     |                                                                                                                                                                                       |
| INDEX 601-004-00-0                  |                     |                                                                                                                                                                                       |
| <b>PROPANE</b>                      |                     |                                                                                                                                                                                       |
| CAS 74-98-6                         | $22,5 \leq x < 24$  | Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: U                                                                         |
| EC 200-827-9                        |                     |                                                                                                                                                                                       |
| INDEX 601-003-00-5                  |                     |                                                                                                                                                                                       |
| REACH Reg. 01-2119486944-21         |                     |                                                                                                                                                                                       |
| <b>isobutane</b>                    |                     |                                                                                                                                                                                       |
| CAS 75-28-5                         | $16,5 \leq x < 18$  | Flam. Gas 1A H220, Press. Gas (Liq.) H280                                                                                                                                             |
| EC 200-857-2                        |                     |                                                                                                                                                                                       |
| INDEX -                             |                     |                                                                                                                                                                                       |
| <b>PROPAN-2-OL</b>                  |                     |                                                                                                                                                                                       |
| CAS 67-63-0                         | $10 \leq x < 11,5$  | Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336                                                                                                                                  |
| EC 200-661-7                        |                     |                                                                                                                                                                                       |
| INDEX 603-117-00-0                  |                     |                                                                                                                                                                                       |
| REACH Reg. 01-2119457558-25         |                     |                                                                                                                                                                                       |
| <b>GERANYL ACETATE</b>              |                     |                                                                                                                                                                                       |
| CAS 105-87-3                        | $0,2 \leq x < 0,25$ | Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 3 H412                                                                                                                         |
| EC 203-341-5                        |                     |                                                                                                                                                                                       |
| INDEX -                             |                     |                                                                                                                                                                                       |
| REACH Reg. 01-2119973480-35         |                     |                                                                                                                                                                                       |
| <b>P-METHOXYBENZYL ACETATE</b>      |                     |                                                                                                                                                                                       |
| CAS 104-21-2                        | $0,2 \leq x < 0,25$ | Eye Irrit. 2 H319, Skin Irrit. 2 H315                                                                                                                                                 |
| EC 203-185-8                        |                     |                                                                                                                                                                                       |
| INDEX -                             |                     |                                                                                                                                                                                       |
| REACH Reg. 01-2120104878-50         |                     |                                                                                                                                                                                       |
| <b>PIPERONAL</b>                    |                     |                                                                                                                                                                                       |
| CAS 120-57-0                        | $0,1 \leq x < 0,15$ | Skin Sens. 1B H317                                                                                                                                                                    |
| EC 204-409-7                        |                     |                                                                                                                                                                                       |
| INDEX -                             |                     |                                                                                                                                                                                       |
| REACH Reg. 01-2119983608-21         |                     |                                                                                                                                                                                       |
| <b>ALLYL 3-CYCLOHEXYLPROPIONATE</b> |                     |                                                                                                                                                                                       |
| CAS 2705-87-5                       | $0,1 \leq x < 0,15$ | Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Sens. 1 H317, Aquatic Chronic 1 H410 M=1<br>LD50 Oral: 585 , LD50 Dermal: 1600 , STA Inhalation mists/powders: 1,5 mg/l |
| EC 220-292-5                        |                     |                                                                                                                                                                                       |
| INDEX -                             |                     |                                                                                                                                                                                       |
| REACH Reg. 01-2119976355-27         |                     |                                                                                                                                                                                       |

**003\_018 - DEO MATIC RICARICA FRUTTI TROPICALI E COCCO****ALLYL HEXANOATE**

CAS 123-68-2

 $0,1 \leq x < 0,15$ 

Acute Tox. 3 H311, Acute Tox. 4 H302, Skin Irrit. 2 H315, Aquatic Chronic 2 H411

EC 204-642-4

STA Oral: 500 mg/kg, LD50 Dermal: 820

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REACH Reg. 01-2119983573-26

**2H-CHROMEN-2-ONE**

CAS 91-64-5

 $0 \leq x < 0,05$ 

Acute Tox. 4 H302, STOT RE 2 H373, Skin Sens. 1 H317

EC 202-086-7

STA Oral: 500 mg/kg

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REACH Reg. 01-2119943756-26

The full wording of hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 87,96 %

**SECTION 4. First aid measures****4.1. Description of first aid measures**

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

**4.2. Most important symptoms and effects, both acute and delayed**

Specific information on symptoms and effects caused by the product are unknown.

**4.3. Indication of any immediate medical attention and special treatment needed**

Information not available

**SECTION 5. Firefighting measures****5.1. Extinguishing media****SUITABLE EXTINGUISHING EQUIPMENT**

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

**UNSUITABLE EXTINGUISHING EQUIPMENT**

None in particular.

**5.2. Special hazards arising from the substance or mixture****HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

### 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

### 6.2. Environmental precautions

Do not disperse in the environment.

### 6.3. Methods and material for containment and cleaning up

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

Storage class TRGS 510 (Germany):

2B

### 7.3. Specific end use(s)

Information not available

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

Regulatory References:

|     |                             |                                                                                                                                                                                                                                                                                                                                                        |
|-----|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BGR | България                    | НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)                                                                                                                                                                                         |
| CZE | Česká Republika             | Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů                                                                                                                                                                         |
| DEU | Deutschland                 | Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56                                                                                                                          |
| DNK | Danmark                     | Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019                                                                                                                                                                                                                                                                  |
| ESP | España                      | Límites de exposición profesional para agentes químicos en España 2021                                                                                                                                                                                                                                                                                 |
| FRA | France                      | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS                                                                                                                                                                                                                                                             |
| GRC | Ελλάδα                      | Π.Δ. 26/2020 (ΦΕΚ 50/Α' 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ``σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιόνους παράγοντες κατά την εργασία``» |
| HUN | Magyarország                | Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelethez a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről                                                                                                                                                                  |
| HRV | Hrvatska                    | Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)                                                                                                                                                         |
| NLD | Nederland                   | Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit                                                                                                                                                                                  |
| POL | Polska                      | Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy                                                                                                                                    |
| ROU | România                     | Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006                                                                                                                                                                                          |
| SVK | Slovensko                   | NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení neskorších predpisov                                                             |
| SVN | Slovenija                   | Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)                                                                                                                                                                |
| GBR | United Kingdom<br>TLV-ACGIH | EH40/2005 Workplace exposure limits (Fourth Edition 2020)<br>ACGIH 2021                                                                                                                                                                                                                                                                                |

| BUTANE                |         |        |      |            |      |                           |
|-----------------------|---------|--------|------|------------|------|---------------------------|
| Threshold Limit Value |         |        |      |            |      |                           |
| Type                  | Country | TWA/8h |      | STEL/15min |      | Remarks /<br>Observations |
|                       |         | mg/m3  | ppm  | mg/m3      | ppm  |                           |
| TLV                   | BGR     | 1900   |      |            |      |                           |
| AGW                   | DEU     | 2400   | 1000 | 9600       | 4000 |                           |
| MAK                   | DEU     | 2400   | 1000 | 9600       | 4000 |                           |
| TLV                   | DNK     | 1200   | 500  |            |      |                           |
| VLA                   | ESP     | 1000   |      | Gases      |      |                           |
| VLEP                  | FRA     | 1900   | 800  |            |      |                           |
| TLV                   | GRC     | 2350   | 1000 |            |      |                           |
| AK                    | HUN     | 2350   | 9400 |            |      |                           |
| GVI/KGVI              | HRV     | 1450   | 600  | 1810       | 750  |                           |
| TGG                   | NLD     | 1430   |      |            |      |                           |
| NDS/NDSch             | POL     | 1900   | 3000 |            |      |                           |
| MV                    | SVN     | 2400   | 1000 | 9600       | 4000 |                           |
| WEL                   | GBR     | 1450   | 600  | 1810       | 750  |                           |
| WEL                   | GBR     | 4      |      | RESP       |      |                           |
| TLV-ACGIH             |         |        |      |            | 1000 |                           |

| PROPANE |  |  |  |  |  |
|---------|--|--|--|--|--|
|         |  |  |  |  |  |

| Threshold Limit Value                    |         |        |      |            |       |                        |
|------------------------------------------|---------|--------|------|------------|-------|------------------------|
| Type                                     | Country | TWA/8h |      | STEL/15min |       | Remarks / Observations |
|                                          |         | mg/m3  | ppm  | mg/m3      | ppm   |                        |
| TLV                                      | BGR     | 1800   |      |            |       |                        |
| AGW                                      | DEU     | 1800   | 1000 | 7200       | 4000  |                        |
| MAK                                      | DEU     | 1800   | 1000 | 7200       | 4000  |                        |
| TLV                                      | DNK     | 1800   | 1000 |            |       |                        |
| VLA                                      | ESP     | 1000   |      |            |       |                        |
| TLV                                      | GRC     | 1800   | 1000 |            |       |                        |
| NDS/NDSch                                | POL     | 1800   |      |            |       |                        |
| TLV                                      | ROU     | 1400   | 778  | 1800       | 1000  |                        |
| MV                                       | SVN     | 1800   | 1000 | 7200       | 4000  |                        |
|                                          |         |        |      |            |       |                        |
| isobutane                                |         |        |      |            |       |                        |
| Threshold Limit Value                    |         |        |      |            |       |                        |
| Type                                     | Country | TWA/8h |      | STEL/15min |       | Remarks / Observations |
|                                          |         | mg/m3  | ppm  | mg/m3      | ppm   |                        |
| AGW                                      | DEU     | 2400   | 1000 | 9600       | 4000  |                        |
| MAK                                      | DEU     | 2400   | 1000 | 9600       | 4000  |                        |
|                                          |         |        |      |            |       |                        |
| PROPAN-2-OL                              |         |        |      |            |       |                        |
| Threshold Limit Value                    |         |        |      |            |       |                        |
| Type                                     | Country | TWA/8h |      | STEL/15min |       | Remarks / Observations |
|                                          |         | mg/m3  | ppm  | mg/m3      | ppm   |                        |
| TLV                                      | BGR     | 980    |      | 1225       |       |                        |
| TLV                                      | CZE     | 500    |      | 1000       |       | SKIN                   |
| AGW                                      | DEU     | 500    | 200  | 1000       | 400   |                        |
| MAK                                      | DEU     | 500    | 200  | 1000       | 400   |                        |
| TLV                                      | DNK     | 490    | 200  |            |       |                        |
| VLA                                      | ESP     | 500    | 200  | 1000       | 400   |                        |
| VLEP                                     | FRA     |        |      | 980        | 400   |                        |
| TLV                                      | GRC     | 980    | 400  | 1225       | 500   |                        |
| AK                                       | HUN     | 500    |      | 2000       |       |                        |
| GVI/KGVI                                 | HRV     | 999    | 400  | 1250       | 500   |                        |
| TGG                                      | NLD     | 650    |      |            |       |                        |
| NDS/NDSch                                | POL     | 900    |      | 1200       |       |                        |
| NPEL                                     | SVK     | 500    | 200  | 1000       |       |                        |
| MV                                       | SVN     | 500    | 200  |            |       |                        |
| WEL                                      | GBR     | 999    | 400  | 1250       | 500   |                        |
| TLV-ACGIH                                |         | 492    | 200  | 983        | 400   |                        |
| Predicted no-effect concentration - PNEC |         |        |      |            |       |                        |
| Normal value in fresh water              |         |        |      | 140,9      | mg/l  |                        |
| Normal value in marine water             |         |        |      | 140,9      | mg/l  |                        |
| Normal value for fresh water sediment    |         |        |      | 552        | mg/kg |                        |

|                                                       |       |       |
|-------------------------------------------------------|-------|-------|
| Normal value for marine water sediment                | 552   | mg/kg |
| Normal value for water, intermittent release          | 140,9 | mg/l  |
| Normal value of STP microorganisms                    | 2251  | mg/l  |
| Normal value for the food chain (secondary poisoning) | 160   | mg/kg |
| Normal value for the terrestrial compartment          | 28    | mg/kg |

| Health - Derived no-effect level - DNEL / DMEL |             |                |               |                  | Effects on workers |                |               |                  |
|------------------------------------------------|-------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| Effects on consumers                           |             |                |               |                  |                    |                |               |                  |
| Route of exposure                              | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local        | Acute systemic | Chronic local | Chronic systemic |
| Oral                                           |             |                |               | 26 mg/kg bw/d    |                    |                |               |                  |
| Inhalation                                     |             |                |               | 89 mg/m3         |                    |                |               | 500 mg/m3        |
| Skin                                           |             |                |               | 319 mg/kg bw/d   |                    |                |               | 888 mg/kg bw/d   |

GERANYL ACETATE

|                                              |          |       |
|----------------------------------------------|----------|-------|
| Predicted no-effect concentration - PNEC     |          |       |
| Normal value in fresh water                  | 0,00372  | mg/l  |
| Normal value in marine water                 | 0,000372 | mg/l  |
| Normal value for fresh water sediment        | 0,442    | mg/kg |
| Normal value for marine water sediment       | 0,044    | mg/kg |
| Normal value for water, intermittent release | 0,0372   | mg/l  |
| Normal value of STP microorganisms           | 8        | mg/l  |
| Normal value for the terrestrial compartment | 0,086    | mg/kg |

| Health - Derived no-effect level - DNEL / DMEL |             |                |               |                  | Effects on workers |                |               |                  |
|------------------------------------------------|-------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| Effects on consumers                           |             |                |               |                  |                    |                |               |                  |
| Route of exposure                              | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local        | Acute systemic | Chronic local | Chronic systemic |
| Oral                                           |             |                |               | 8,9 mg/kg bw/d   |                    |                |               |                  |
| Inhalation                                     |             |                |               | 15,4 mg/m3       |                    |                |               | 62,59 mg/m3      |
| Skin                                           |             |                |               | 17,75 mg/kg bw/d |                    |                |               | 35,5 mg/kg bw/d  |

ALLYL HEXANOATE

|                                                       |          |       |
|-------------------------------------------------------|----------|-------|
| Predicted no-effect concentration - PNEC              |          |       |
| Normal value in fresh water                           | 0,000117 | mg/l  |
| Normal value in marine water                          | 0,000012 | mg/l  |
| Normal value for fresh water sediment                 | 0,00446  | mg/kg |
| Normal value for marine water sediment                | 0,000446 | mg/kg |
| Normal value for water, intermittent release          | 0,00117  | mg/l  |
| Normal value of STP microorganisms                    | 10       | mg/l  |
| Normal value for the food chain (secondary poisoning) | 47,56    | mg/kg |
| Normal value for the terrestrial compartment          | 0,000825 | mg/kg |

| Health - Derived no-effect level - DNEL / DMEL |             |                |               |                  | Effects on workers |                |               |                  |
|------------------------------------------------|-------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| Effects on consumers                           |             |                |               |                  |                    |                |               |                  |
| Route of exposure                              | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local        | Acute systemic | Chronic local | Chronic systemic |
| Oral                                           |             |                |               | 2,1 mg/kg bw/d   |                    |                |               |                  |
| Inhalation                                     |             |                |               | 3,7 mg/m3        |                    |                |               | 15 mg/m3         |



|                                                       |                      |                |               |                    |                                         |                |                   |                   |  |
|-------------------------------------------------------|----------------------|----------------|---------------|--------------------|-----------------------------------------|----------------|-------------------|-------------------|--|
| BERGEN S.r.l.                                         |                      |                |               |                    | Revision nr. 3                          |                |                   |                   |  |
| 003_018 - DEO MATIC RICARICA FRUTTI TROPICALI E COCCO |                      |                |               |                    | Dated 29/11/2022                        |                |                   |                   |  |
|                                                       |                      |                |               |                    | Printed on 29/11/2022                   |                |                   |                   |  |
|                                                       |                      |                |               |                    | 9/23                                    |                |                   |                   |  |
|                                                       |                      |                |               |                    | Replaced revision:2 (Dated: 02/03/2020) |                |                   |                   |  |
| Skin                                                  |                      |                |               |                    | 2,1 mg/kg<br>bw/d                       |                | 4,3 mg/kg<br>bw/d |                   |  |
| ALLYL 3-CYCLOHEXYLPROPIONATE                          |                      |                |               |                    |                                         |                |                   |                   |  |
| Predicted no-effect concentration - PNEC              |                      |                |               |                    |                                         |                |                   |                   |  |
| Normal value in fresh water                           |                      |                |               |                    | 0,13                                    |                | µg/L              |                   |  |
| Normal value in marine water                          |                      |                |               |                    | 0,013                                   |                | µg/L              |                   |  |
| Normal value for fresh water sediment                 |                      |                |               |                    | 24,13                                   |                | µg/L              |                   |  |
| Normal value for marine water sediment                |                      |                |               |                    | 2,412                                   |                | µg/L              |                   |  |
| Normal value of STP microorganisms                    |                      |                |               |                    | 0,2                                     |                | mg/l              |                   |  |
| Normal value for the food chain (secondary poisoning) |                      |                |               |                    | 143                                     |                | mg/kg             |                   |  |
| Normal value for the terrestrial compartment          |                      |                |               |                    | 4,75                                    |                | µg/L              |                   |  |
| Health - Derived no-effect level - DNEL / DMEL        |                      |                |               |                    |                                         |                |                   |                   |  |
|                                                       | Effects on consumers |                |               |                    | Effects on workers                      |                |                   |                   |  |
| Route of exposure                                     | Acute local          | Acute systemic | Chronic local | Chronic systemic   | Acute local                             | Acute systemic | Chronic local     | Chronic systemic  |  |
| Oral                                                  |                      |                |               | 2,1 mg/kg<br>bw/d  |                                         |                |                   |                   |  |
| Inhalation                                            |                      |                |               | 3,7 mg/m3          |                                         |                |                   | 15 mg/m3          |  |
| Skin                                                  |                      |                |               | 2,1 mg/kg<br>bw/d  |                                         |                |                   | 4,3 mg/kg<br>bw/d |  |
| PIPERONAL                                             |                      |                |               |                    |                                         |                |                   |                   |  |
| Predicted no-effect concentration - PNEC              |                      |                |               |                    |                                         |                |                   |                   |  |
| Normal value in fresh water                           |                      |                |               |                    | 0,0025                                  |                | mg/l              |                   |  |
| Normal value in marine water                          |                      |                |               |                    | 0,00025                                 |                | mg/l              |                   |  |
| Normal value for fresh water sediment                 |                      |                |               |                    | 0,0119                                  |                | mg/kg             |                   |  |
| Normal value for marine water sediment                |                      |                |               |                    | 0,0012                                  |                | mg/kg             |                   |  |
| Normal value for water, intermittent release          |                      |                |               |                    | 0,025                                   |                | mg/l              |                   |  |
| Normal value of STP microorganisms                    |                      |                |               |                    | 10                                      |                | mg/l              |                   |  |
| Normal value for the terrestrial compartment          |                      |                |               |                    | 0,00084                                 |                | mg/kg             |                   |  |
| Health - Derived no-effect level - DNEL / DMEL        |                      |                |               |                    |                                         |                |                   |                   |  |
|                                                       | Effects on consumers |                |               |                    | Effects on workers                      |                |                   |                   |  |
| Route of exposure                                     | Acute local          | Acute systemic | Chronic local | Chronic systemic   | Acute local                             | Acute systemic | Chronic local     | Chronic systemic  |  |
| Oral                                                  |                      |                |               | 1,25 mg/kg<br>bw/d |                                         |                |                   |                   |  |
| Inhalation                                            |                      |                |               | 4,3 mg/m3          |                                         |                |                   | 17,6 mg/m3        |  |
| Skin                                                  |                      |                |               | 1,25 mg/kg<br>bw/d |                                         |                |                   | 2,5 mg/kg<br>bw/d |  |
| 2H-CHROMEN-2-ONE                                      |                      |                |               |                    |                                         |                |                   |                   |  |
| Predicted no-effect concentration - PNEC              |                      |                |               |                    |                                         |                |                   |                   |  |
| Normal value in fresh water                           |                      |                |               |                    | 0,019                                   |                | mg/l              |                   |  |
| Normal value in marine water                          |                      |                |               |                    | 0,0019                                  |                | mg/l              |                   |  |
| Normal value for fresh water sediment                 |                      |                |               |                    | 0,15                                    |                | mg/kg             |                   |  |
| Normal value for marine water sediment                |                      |                |               |                    | 0,015                                   |                | mg/kg             |                   |  |
| Normal value for water, intermittent release          |                      |                |               |                    | 0,0142                                  |                | mg/l              |                   |  |
| Normal value of STP microorganisms                    |                      |                |               |                    | 6,4                                     |                | mg/l              |                   |  |
| Normal value for the food chain (secondary poisoning) |                      |                |               |                    | 30,7                                    |                | mg/kg             |                   |  |

|                                                              |                                                                           |
|--------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>BERGEN S.r.l.</b>                                         | Revision nr. 3<br>Dated 29/11/2022                                        |
| <b>003_018 - DEO MATIC RICARICA FRUTTI TROPICALI E COCCO</b> | Printed on 29/11/2022<br>10/23<br>Replaced revision:2 (Dated: 02/03/2020) |

|                                                |                      |                |               |                  |             |                    |               |                  |
|------------------------------------------------|----------------------|----------------|---------------|------------------|-------------|--------------------|---------------|------------------|
| Normal value for the terrestrial compartment   |                      |                |               | 0,018            | mg/kg       |                    |               |                  |
| Health - Derived no-effect level - DNEL / DMEL |                      |                |               |                  |             |                    |               |                  |
|                                                | Effects on consumers |                |               |                  |             | Effects on workers |               |                  |
| Route of exposure                              | Acute local          | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic     | Chronic local | Chronic systemic |
| Oral                                           |                      |                |               | 0,39 mg/kg bw/d  |             |                    |               |                  |
| Inhalation                                     |                      |                |               | 1,69 mg/m3       |             |                    |               | 6,78 mg/m3       |
| Skin                                           |                      |                |               | 0,39 mg/kg bw/d  |             |                    |               | 0,79 mg/kg bw/d  |

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

**8.2. Exposure controls**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

**HAND PROTECTION**  
None required.

**SKIN PROTECTION**  
Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

**EYE PROTECTION**  
Wear airtight protective goggles (see standard EN 166).

**RESPIRATORY PROTECTION**  
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).  
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

**ENVIRONMENTAL EXPOSURE CONTROLS**  
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

|                                                                   |                |                      |
|-------------------------------------------------------------------|----------------|----------------------|
| <b>9.1. Information on basic physical and chemical properties</b> |                |                      |
| <b>Properties</b>                                                 | <b>Value</b>   | <b>Information</b>   |
| Appearance                                                        | aerosol        | Method:not specified |
| Colour                                                            | yellow         |                      |
| Odour                                                             | characteristic | Method:not specified |

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|                                        |                                                                                    |                        |
|----------------------------------------|------------------------------------------------------------------------------------|------------------------|
| Melting point / freezing point         | not available                                                                      |                        |
| Initial boiling point                  | not available                                                                      |                        |
| Flammability                           | In testing the ignition distance, the ignition takes place at a distance > = 75 cm | Method:BGPF12          |
| Lower explosive limit                  | 1,8 % (v/v)                                                                        | Method:Non specificato |
| Upper explosive limit                  | 9,5 % (v/v)                                                                        | Method:Non specificato |
| Flash point                            | not available                                                                      |                        |
| Auto-ignition temperature              | not available                                                                      |                        |
| Decomposition temperature              | not available                                                                      |                        |
| pH                                     | not available                                                                      |                        |
| Kinematic viscosity                    | not available                                                                      |                        |
| Solubility                             | soluble in water                                                                   | Method:not specified   |
| Partition coefficient: n-octanol/water | not available                                                                      |                        |
| Vapour pressure                        | not available                                                                      |                        |
| Density and/or relative density        | 0,82                                                                               | Method:not specified   |
| Relative vapour density                | not available                                                                      |                        |
| Particle characteristics               | not applicable                                                                     |                        |

**9.2. Other information****9.2.1. Information with regard to physical hazard classes**

Information not available

**9.2.2. Other safety characteristics**

|                            |                                           |                      |
|----------------------------|-------------------------------------------|----------------------|
| VOC (Directive 2010/75/EU) | 81,31 % - 666,72 g/litre                  |                      |
| Explosive properties       | lower propellant explosion limit: 1.8%    | Method:not specified |
| Oxidising properties       | the product is not an oxidizing substance | Method:not specified |

**SECTION 10. Stability and reactivity****10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

**10.2. Chemical stability**

The product is stable in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions**

No hazardous reactions are foreseeable in normal conditions of use and storage.

**10.4. Conditions to avoid**

Avoid overheating.

**10.5. Incompatible materials**

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

#### 10.6. Hazardous decomposition products

Information not available

### SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

##### Information on likely routes of exposure

Information not available

##### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

##### Interactive effects

Information not available

##### ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

>2000 mg/kg

##### BUTANE

LC50 (Inhalation gas):

1443 mg/l

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## isobutane

LC50 (Inhalation gas): 1443 mg/l

## PROPAN-2-OL

LD50 (Dermal): 16,4 ml/kg Rat  
LD50 (Oral): 5,84 mg/kg Rat  
LC50 (Inhalation vapours): 72,6 mg/l/4h Rat

## P-METHOXYBENZYL ACETATE

LD50 (Dermal): > 2000 mg/kg rat  
LD50 (Oral): > 5000 mg/kg rat

## GERANYL ACETATE

LD50 (Dermal): > 6 mg/kg rabbit  
LD50 (Oral): > 5 mg/kg rat

## ALLYL HEXANOATE

LD50 (Dermal): 820 mg/kg rabbit  
LD50 (Oral): 75 mg/kg rat  
STA (Oral): 500 mg/kg estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)

## ALLYL 3-CYCLOHEXYLPROPIONATE

LD50 (Dermal): 1600 mg/kg  
LD50 (Oral): 585 mg/kg

## PIPERONAL

LD50 (Dermal): > 5000 mg/kg rat  
LD50 (Oral): 2350 mg/kg rat

## 2H-CHROMEN-2-ONE

LD50 (Dermal): 293 mg/kg bw rat  
LD50 (Oral): 290 mg/kg bw rat  
LC50 (Inhalation mists/powders): 293 mg/kg rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

Respiratory sensitization

Information not available

Skin sensitization

Information not available

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available

Effects on or via lactation

Information not available

#### STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

#### Target organs

Information not available

#### Route of exposure

Information not available

#### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

#### Target organs

Information not available

#### Route of exposure

Information not available

#### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

#### **11.2. Information on other hazards**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

**SECTION 12. Ecological information**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

**12.1. Toxicity****P-METHOXYBENZYL ACETATE**

|                                         |               |
|-----------------------------------------|---------------|
| LC50 - for Fish                         | 13,1 mg/l/96h |
| EC50 - for Crustacea                    | 31 mg/l/48h   |
| EC50 - for Algae / Aquatic Plants       | 59,9 mg/l/72h |
| Chronic NOEC for Algae / Aquatic Plants | 28,8 mg/l     |

**GERANYL ACETATE**

|                                         |                |
|-----------------------------------------|----------------|
| LC50 - for Fish                         | 68,12 mg/l/96h |
| EC50 - for Crustacea                    | 14,1 mg/l/48h  |
| EC50 - for Algae / Aquatic Plants       | 3,72 mg/l/72h  |
| Chronic NOEC for Fish                   | 10 mg/l 96h    |
| Chronic NOEC for Algae / Aquatic Plants | 0,585 mg/l 72h |

**BUTANE**

|                                   |                |
|-----------------------------------|----------------|
| LC50 - for Fish                   | 24,11 mg/l/96h |
| EC50 - for Crustacea              | 7,02 mg/l/48h  |
| EC50 - for Algae / Aquatic Plants | 7,71 mg/l/72h  |

**PIPERONAL**

|                                         |              |
|-----------------------------------------|--------------|
| LC50 - for Fish                         | 2,5 mg/l/96h |
| EC50 - for Crustacea                    | 52 mg/l/48h  |
| EC50 - for Algae / Aquatic Plants       | 31 mg/l/72h  |
| Chronic NOEC for Fish                   | 1,6 mg/l 96h |
| Chronic NOEC for Crustacea              | 22 mg/l 48h  |
| Chronic NOEC for Algae / Aquatic Plants | 0,38 mg/l    |

**ALLYL HEXANOATE**

|                                         |                |
|-----------------------------------------|----------------|
| LC50 - for Fish                         | 0,117 mg/l/96h |
| EC50 - for Crustacea                    | 2 mg/l/48h     |
| EC50 - for Algae / Aquatic Plants       | 0,778 mg/l/72h |
| Chronic NOEC for Algae / Aquatic Plants | 0,158 mg/l     |

**ALLYL 3-CYCLOHEXYLPROPIONATE**

|                                         |               |
|-----------------------------------------|---------------|
| LC50 - for Fish                         | 0,13 mg/l/96h |
| EC50 - for Crustacea                    | 3,8 mg/l/48h  |
| EC50 - for Algae / Aquatic Plants       | 2,1 mg/l/72h  |
| Chronic NOEC for Crustacea              | 0,86 mg/l     |
| Chronic NOEC for Algae / Aquatic Plants | 0,74 mg/l     |



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## PROPAN-2-OL

LC50 - for Fish 9640 mg/l/96h

EC50 - for Crustacea &gt; 100 mg/l/48h

## PROPANE

LC50 - for Fish 24,11 mg/l/96h

EC50 - for Crustacea 7,02 mg/l/96h

EC50 - for Algae / Aquatic Plants 7,71 mg/l/72h

## isobutane

LC50 - for Fish 24,11 mg/l/96h

EC50 - for Algae / Aquatic Plants 7,71 mg/l/72h

## 2H-CHROMEN-2-ONE

LC50 - for Fish 1,324 mg/l/96h

EC50 - for Crustacea 8,012 mg/l/48h

EC50 - for Algae / Aquatic Plants 1,452 mg/l/72h

Chronic NOEC for Fish 0,119 mg/l

Chronic NOEC for Crustacea 0,448 mg/l

Chronic NOEC for Algae / Aquatic Plants 0,408 mg/l

**12.2. Persistence and degradability**

## P-METHOXYBENZYL ACETATE

Rapidly degradable

## GERANYL ACETATE

Rapidly degradable

## BUTANE

Solubility in water 0,1 - 100 mg/l

Rapidly degradable

## PIPERONAL

Rapidly degradable

## ALLYL HEXANOATE

Rapidly degradable

## ALLYL 3-CYCLOHEXYLPROPIONATE

Rapidly degradable

## PROPAN-2-OL

Rapidly degradable

## PROPANE

Solubility in water 0,1 - 100 mg/l

Rapidly degradable

## 2H-CHROMEN-2-ONE

Rapidly degradable

**12.3. Bioaccumulative potential**

## BUTANE

Partition coefficient: n-octanol/water 1,09

## ALLYL HEXANOATE

BCF 102,3

## ALLYL 3-CYCLOHEXYLPROPIONATE

BCF 307,8 l/kg

## PROPAN-2-OL

Partition coefficient: n-octanol/water 0,05

## PROPANE

Partition coefficient: n-octanol/water 1,09

**12.4. Mobility in soil**

## GERANYL ACETATE

Partition coefficient: soil/water 3,06

**12.5. Results of PBT and vPvB assessment**

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

**12.7. Other adverse effects**

Information not available

**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

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Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14. Transport information****14.1. UN number or ID number**

ADR / RID, IMDG, IATA: 1950

**14.2. UN proper shipping name**

ADR / RID: AEROSOLS  
IMDG: AEROSOLS  
IATA: AEROSOLS, FLAMMABLE

**14.3. Transport hazard class(es)**

ADR / RID: Class: 2 Label: 2.1

IMDG: Class: 2 Label: 2.1

IATA: Class: 2 Label: 2.1

**14.4. Packing group**

ADR / RID, IMDG, IATA: -

**14.5. Environmental hazards**

ADR / RID: NO  
IMDG: NO  
IATA: NO

**14.6. Special precautions for user**

ADR / RID: HIN - Kemler: --

Limited  
Quantities: 1  
L

Tunnel  
restriction  
code: (D)

Special provision: -

IMDG: EMS: F-D, S-U

Limited  
Quantities: 1  
L

IATA: Cargo:

Maximum  
quantity: 150  
Kg  
Maximum  
quantity: 75  
Kg

Packaging  
instructions:  
203  
Packaging  
instructions:  
203

Pass.:

Special provision:

A145, A167,  
A802**14.7. Maritime transport in bulk according to IMO instruments**

Information not relevant

**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EU: P3a

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006Product

Point 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 1: Low hazard to waters

## 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

## SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| <b>Flam. Gas 1A</b>      | Flammable gas, category 1A                                         |
| <b>Aerosol 1</b>         | Aerosol, category 1                                                |
| <b>Aerosol 3</b>         | Aerosol, category 3                                                |
| <b>Flam. Liq. 2</b>      | Flammable liquid, category 2                                       |
| <b>Press. Gas (Liq.)</b> | Liquefied gas                                                      |
| <b>Acute Tox. 3</b>      | Acute toxicity, category 3                                         |
| <b>Acute Tox. 4</b>      | Acute toxicity, category 4                                         |
| <b>STOT RE 2</b>         | Specific target organ toxicity - repeated exposure, category 2     |
| <b>Eye Irrit. 2</b>      | Eye irritation, category 2                                         |
| <b>Skin Irrit. 2</b>     | Skin irritation, category 2                                        |
| <b>Skin Sens. 1</b>      | Skin sensitization, category 1                                     |
| <b>STOT SE 3</b>         | Specific target organ toxicity - single exposure, category 3       |
| <b>Aquatic Chronic 1</b> | Hazardous to the aquatic environment, chronic toxicity, category 1 |
| <b>H220</b>              | Extremely flammable gas.                                           |
| <b>H222</b>              | Extremely flammable aerosol.                                       |
| <b>H229</b>              | Pressurised container: may burst if heated.                        |
| <b>H225</b>              | Highly flammable liquid and vapour.                                |
| <b>H280</b>              | Contains gas under pressure; may burst if heated.                  |
| <b>H311</b>              | Toxic in contact with skin.                                        |
| <b>H302</b>              | Harmful if swallowed.                                              |
| <b>H332</b>              | Harmful if inhaled.                                                |
| <b>H373</b>              | May cause damage to organs through prolonged or repeated exposure. |
| <b>H319</b>              | Causes serious eye irritation.                                     |
| <b>H315</b>              | Causes skin irritation.                                            |
| <b>H317</b>              | May cause an allergic skin reaction.                               |
| <b>H336</b>              | May cause drowsiness or dizziness.                                 |
| <b>H410</b>              | Very toxic to aquatic life with long lasting effects.              |

### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level

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- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

## GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
  2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
  3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
  4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
  5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
  6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
  7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
  8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
  9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
  10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
  11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
  12. Regulation (EU) 2016/1179 (IX Atp. CLP)
  13. Regulation (EU) 2017/776 (X Atp. CLP)
  14. Regulation (EU) 2018/669 (XI Atp. CLP)
  15. Regulation (EU) 2019/521 (XII Atp. CLP)
  16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
  17. Regulation (EU) 2019/1148
  18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
  19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
  20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
  21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
  22. Delegated Regulation (EU) 2022/692 (XVIII Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - IFA GESTIS website
  - ECHA website
  - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

## Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

**BERGEN S.r.l.**

Revision nr. 3

Dated 29/11/2022

**003\_018 - DEO MATIC RICARICA FRUTTI TROPICALI E COCCO**

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23/23

Replaced revision:2 (Dated: 02/03/2020)

#### CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

03 / 08 / 09 / 11 / 12 / 15 / 16.