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|-----------------------------------|-----------------------------|-------------------------------------|-------------------------------|
| Mr&Mrs FRAGRANCE | MATERIAL SAFETY DATA SHEET | | BIG JOY |
| | ORANGE SUMMER FRUITS | | |
| Current revision date: 05/10/2022 | Current revision number: 00 | Previous revision date: - / - / - - | Previous revision number: - - |

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial name : ORANGE SUMMER FRUITS
 UFI : YWAO-MOAW-R00X-26WE
 European product categorisation system (EuPCS): PC-AIR-4 - Air care products for vehicles

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

| | | | |
|--------|-----------------------------------|--------------|------------|
| Uses : | CONSUMER | PROFESSIONAL | INDUSTRIAL |
| | EVA air freshener for small rooms | | |

Uses advises against : All those not expressly identified on the label
 Life cycle stages : C-Consumer use

1.3 Details of the supplier of the safety data sheet

Joy Fragrances s.r.l.
 Via Gavinana, 14 - 21052 BUSTO ARSIZIO (VA) – Italy
 tel. +39 0331 536942 - www.mrandmrsfragrance.com
 email competent person info@joyfragrances.it

1.4 Emergency telephone number

Joy Fragrances s.r.l. - Tel +39 +39 0331 536942 – from 09,30 to 12,30 – from 15,30 to 19,30

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification in accordance with Regulation (EC) No 1272/2008:

The product is classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments), the product therefore requires a safety data sheet compliant with the provisions of Regulation (EU) 2020/878.

Hazard pictogram(s) : NONE
 Hazard Class and Notes Category Code(s) : Skin. Sens. 1A, Aquatic Chronic 3
 Hazard statement Code(s) : H412 - Harmful to aquatic life with long lasting effects

2.1.2 Adverse Effects

If brought into contact with the skin, the product may cause skin sensitization. The product is dangerous for the environment as it is harmful to aquatic life with long lasting effects.

2.2 Label elements

2.2.1 Label in accordance with Regulation (EC) No 1272/2008

Hazard pictogram(s) : NONE



Signal Word Code(s) : NONE
 Hazard statement Code(s) : H412 - Harmful to aquatic life with long lasting effects
 Suppl. Hazard statement Code(s) : Not applicable
 Precautionary statements : EUH208 – Contains: Cyclamen aldehyde, Ethyl 2,2-dimethylhydrocinnamal. It can cause an allergic reaction.

General

P101 - If medical advice is needed, have product container or label at hand.
 P102 - Keep out of reach of children.

Prevention

P273 - Avoid release to the environment.

Disposal

P501 - Dispose of contents/container in accordance with local/ national regulation.

Other information: It is not a toy. Do not swallow. Do not leave the product exposed in environments with temperatures above 70 ° C. Do not use the product for purposes other than those intended. Avoid contact with shiny or metallic surfaces.

2.2.2 Additional regulations to be implemented on the label

Regulation (EC) 648/2004 : Not applicable
 Regulation (EU) 528/2012 : Not applicable

2.3 Other hazards

The mixture does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, annex XIII in concentrations equal to or greater than 0.1% by weight. The mixture does NOT contain substances that have been included in the list established in accordance with Article 59, paragraph 1 due to properties of interference with the endocrine system in concentrations equal to or greater than 0.1% by weight.

The mixture does NOT contain a substance identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentrations equal to or greater than 0.1% by weight.

Child-resistant packaging (ISO 8317_ Child-resistant packaging - Requirements and testing procedures for reclosable packages) : **Not applicable**

Tactile warnings of danger (ISO 11683_Packaging - Tactile warnings of danger - Requirements) : **Not applicable**

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant

3.2 Mixtures

Refer to section 16 for the full text of the hazard statements.

| Index number | EC/List n°. | CAS | REACH | International Chemical Identification | X= Conc. % |
|--|-------------|----------|--|--|---------------|
| -- | 203-161-7 | 103-95-7 | 01-2119970582-32 | Cyclamen aldehyde | 0,7 < x < 0,8 |
| | | | Classification | Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE) | Notes |
| Hazard Class and Category Code(s), Hazard Statement Code(s) | | | Supplementary Hazard Statement Code(s) | Pictograms, Signal Word Code(s) | |
| Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 3 H412 | | | -- | GHS07 - WARNING | -- |

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| Index number | EC/List n°. | CAS | REACH | International Chemical Identification | | X= Conc. % |
| --- | 266-819-2 | 67634-15-5 | -- | Ethyl 2,2-dimethylhydrocinnamal | | 0,30 < x < 0,35 |
| Hazard Class and Category Code(s), Hazard Statement Code(s) | | | Classification | Pictograms, Signal Word Code(s) | Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE) | Notes |
| Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400, Aquatic Chronic 2 H411 | | | -- | GHS07, GHS09 - WARNING | M=1 | -- |
| Index number | EC/List n°. | CAS | REACH | International Chemical Identification | | X= Conc. % |
| -- | 204-881-4 | 128-37-0 | 01-2119565113-46 | BHT | | 0,30 < x < 0,35 |
| Hazard Class and Category Code(s), Hazard Statement Code(s) | | | Classification | Pictograms, Signal Word Code(s) | Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE) | Notes |
| Aquatic Acute 1 H400, Aquatic Chronic 1 H410 | | | -- | GHS09, WARNING | M=1 | -- |

SECTION 4: First aid measures

4.1 Description of first aid measures

First aid instructions divided according to the relevant routes of exposure. It is advisable for those who provide first aid to wear the personal protective equipment deemed appropriate.

Inhalation

Given the specificity of the product and the reduced quantities of substances released, no conditions are expected to require first aid measures.

Skin

Wash areas of the body that have come into contact with the product, even if only suspected, with plenty of water and soap.

Eyes

Given the particular structure of the product, accidental contacts are unpredictable and of predominantly traumatic and / or voluntary origin. In the eventuality, apply fresh compresses and, if the painful phenomena persist, contact the medical staff.

Ingestion

SEEK MEDICAL ATTENTION IMMEDIATELY.

Most important symptoms and effects, both acute and delayed

Data not available

4.3 Indication of any immediate medical attention and special treatment needed

See section 4.1 Description of first aid measures.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray, CO₂, alcohol resistant foam, chemical powders depending on the materials involved in the fire.

Unsuitable extinguishing media : None in particular

5.2 Special hazards arising from the substance or mixture

During combustion, fumes potentially harmful to health may be produced. If exposed to the flame it catches fire and continues to burn with a dim flame even if removed from the heat source.

5.3 Advice for firefighters

Use protective clothing for the respiratory tract, eyes and skin. The sprayed water can be used to disperse the vapors and protect the people involved in the extinction. It is also advisable to use self-contained breathing apparatus, especially if you work in closed and poorly ventilated places. Wear the specific protective equipment of the firefighting team. Given the polymeric characteristic of the material, the possible presence of significant quantities of product in the environments involved in the fire, can be a source of risk in causing the reignition of the fire in the presence of oxygen since the internal layers can conserve heat. It is therefore necessary, in the event of a fire in environments where large quantities of product have been involved, to proceed to dissipate the heat retained inside.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Move away from the area surrounding the spill or release. Not smoking.

For emergency responders : General information: Do not smoke. Use suitable personal protective equipment, see Section 8.

6.2 Environmental precautions

Contain leaks with inert material. Avoid dispersion and / or washout in the sewer system and surface waters. Dispose of the residue according to the regulations in force.

6.3 Methods and material for containment and cleaning up

Collect the product for possible reuse or disposal.

6.4 Reference to other sections

Refer to sections 8 and 13 for more information

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Normal handling precautions for sensitizing chemicals, protecting yourself from any accidental contact. Do not smoke, eat, drink while handling.

7.2 Conditions for safe storage, including any incompatibilities

How to manage risks associated with:

| | |
|---|---|
| i) explosive atmospheres | Nothing to report |
| ii) corrosive conditions | Nothing to report |
| iii) flammability hazards | Nothing to report |
| iv) incompatible substances or mixtures | Avoid contact with solvents which could damage the product. |
| v) evaporative conditions | Keep in the original packaging, in well-ventilated areas at room temperature. |
| vi) potential ignition sources (including electrical equipment) | Keep away from open flames, sparks and sources of ignition in general. Appropriate maintenance of all electrical components of machines, systems and electrical installations in general can give a sufficient guarantee of reducing the fire risk. |

How to control the effects of:

| | |
|-----------------------|------------------------------------|
| i) weather conditions | Store inside in a dry environment. |
| ii) ambient pressure | Nothing to report |
| iii) Temperature | Store at room temperature |
| iv) sunlight | Do not store in direct sunlight. |
| v) humidity | Store away from moisture. |

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vi) Vibration Nothing to report.

How to maintain the integrity of the substance or mixture by the use of:

- i) stabilisers Not relevant
ii) antioxidants Not relevant

Other advice including

- i) ventilation requirements Store in a cool and ventilated place.
ii) specific designs for storage rooms or vessels (including retention walls and ventilation) Nothing to report
iii) quantity limits under storage conditions (if relevant) Observe the provisions resulting from the risk assessment carried out by a qualified specialist.
iv) packaging compatibilities Keep in original packaging.

7.3 Specific end use(s)

Consumer uses: Follow the instructions on the label / box / information sheets.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Related to the substances contained

| | | | | | | | | |
|--|---|----------------------|-----------------------------------|--------------------------|------------------------|-------------------------|-------------------------|-----------------------------------|
| Substance: | Cyclamen aldehyde | | | | | | | |
| CAS: | 103-95-7 | | | | | | | |
| GESTIS International Limit Values | | | | | | | | |
| | Limit value - Eight hours | | | Limit value - Short term | | | | |
| | ppm | | mg/m ³ | ppm | | mg/m ³ | | |
| | -- | | -- | -- | | -- | | |
| | Remarks | | | | | | | |
| | -- | | | | | | | |
| Link DNEL value | https://echa.europa.eu/it/registration-dossier/-/registered-dossier/5681 | | | | | | | |
| | DNEL (Workers) | | | DNEL (Population) | | | | |
| | Systemic | | Local | | Systemic | | Local | |
| | Long term | Short term | Long term | Short term | Long term | Short term | Long term | Short term |
| Inhalation | 1.23 mg/m ³ | No hazard identified | No hazard identified | No hazard identified | Inhalation | 0.22 mg/m ³ | No hazard identified | No hazard identified |
| Dermal | 0.35 mg/kg bw/day | No hazard identified | Low hazard (no threshold derived) | | Dermal | 0.13 mg/kg bw/day | No hazard identified | Low hazard (no threshold derived) |
| Oral | Not available | | Not available | | Oral | 0.13 mg/kg bw/day | No hazard identified | Not available |
| Eyes | Not available | | No hazard identified | | Eyes | Not available | | No hazard identified |
| PNEC | Freshwater | | Intermittent | | Marine water | | Soil | |
| | STP | 8.8 µg/L | Sediment (freshwater) | | 14 µg/L | Sediment (marine water) | 0.88 µg/L | |
| | Air | 1 mg/L | Soil | | 1.02 mg/kg sediment dw | Hazard for predators | 0.102 mg/kg sediment dw | |
| | | No hazard identified | | | 0.199 mg/kg soil dw | | 2 mg/kg food | |

| | | | | | | | | |
|--|---------------------------------|---------------|-----------------------|--------------------------|---------------|-------------------------|---------------|---------------|
| Substance: | Ethyl 2,2-dimethylhydrocinnamal | | | | | | | |
| CAS: | 67634-15-5 | | | | | | | |
| GESTIS International Limit Values | | | | | | | | |
| | Limit value - Eight hours | | | Limit value - Short term | | | | |
| | ppm | | mg/m ³ | ppm | | mg/m ³ | | |
| | -- | | -- | -- | | -- | | |
| | Remarks | | | | | | | |
| | -- | | | | | | | |
| Link DNEL value | -- | | | | | | | |
| | DNEL (Workers) | | | DNEL (Population) | | | | |
| | Systemic | | Local | | Systemic | | Local | |
| | Long term | Short term | Long term | Short term | Long term | Short term | Long term | Short term |
| Inhalation | Not available | | Not available | | Inhalation | Not available | | Not available |
| Dermal | Not available | | Not available | | Dermal | Not available | | Not available |
| Oral | Not available | | Not available | | Oral | Not available | | Not available |
| Eyes | Not available | | Not available | | Eyes | Not available | | Not available |
| PNEC | Freshwater | | Intermittent | | Marine water | | Soil | |
| | STP | Not available | Sediment (freshwater) | | Not available | Sediment (marine water) | Not available | |
| | OAir | Not available | Soil | | Not available | Hazard for predators | Not available | |

| | | | | | | |
|--|---------------------------|--|----------------------|--------------------------|--|-------------------|
| Substance: | BHT | | | | | |
| CAS: | 128-37-0 | | | | | |
| GESTIS International Limit Values | | | | | | |
| | Limit value - Eight hours | | | Limit value - Short term | | |
| | ppm | | mg/m ³ | ppm | | mg/m ³ |
| Australia | -- | | 10 | -- | | -- |
| Austria | -- | | 10 | -- | | -- |
| Belgium | -- | | 2 (1) | -- | | -- |
| Canada - Ontario | -- | | 2 (1) | -- | | -- |
| Canada - Québec | -- | | -- | -- | | 10 (1) |
| Denmark | -- | | 10 | -- | | 20 |
| Finland | -- | | 10 | -- | | 20 (1) |
| France | -- | | 10 | -- | | -- |
| Germany (AGS) | -- | | 10 (1) | -- | | 40 (1)(2) |
| Germany (DFG) | -- | | 10 (1) | -- | | 40 (1)(2) |
| Ireland | -- | | 2 | -- | | -- |
| New Zealand | -- | | 10 | -- | | -- |
| Singapore | -- | | 10 | -- | | -- |
| South Korea | -- | | 2 | -- | | -- |
| Spain | -- | | 10 | -- | | -- |
| Switzerland | -- | | 10 inhalable aerosol | -- | | -- |

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| USA - NIOSH | | -- | | 10 | | -- | |
| United Kingdom | | -- | | 10 | | -- | |
| | | Remarks | | | | | |
| Belgium | | (1) Inhalable fraction and vapour | | | | | |
| Canada - Ontario | | | | (1) Inhalable aerosol and vapour | | | |
| Canada - Québec | | | | (1) 15 minutes average value | | | |
| Finland | | | | (1) 15 minutes average value | | | |
| Germany (AGS) | | | | (1) Inhalable aerosol and vapour (2) 15 minutes reference period | | | |
| Germany (DFG) | | | | (1) Inhalable fraction and vapour (2) 15 minutes average value | | | |
| | | | | https://echa.europa.eu/it/registration-dossier/-/registered-dossier/15975 | | | |
| | | DNEL (Workers) | | DNEL (Population) | | | |
| | | Systemic | | Systemic | | Local | |
| | | Long term | | Long term | | Long term | |
| | | Short term | | Short term | | Short term | |
| Inhalation | | 1.76 mg/m ³ | | 0.435 mg/m ³ | | Hazard unknown but no further hazard information necessary as no exposure expected | |
| Dermal | | 0.5 mg/kg bw/day | | 0.25 mg/kg bw/day | | No hazard identified | |
| Oral | | Not available | | 0.25 mg/kg bw/day | | No hazard identified | |
| Eyes | | Not available | | Not available | | No hazard identified | |
| PNEC | | Freshwater | | Intermittent | | Marine water | |
| | | STP | | Sediment (freshwater) | | Sediment (marine water) | |
| | | Air | | Soil | | Hazard for predators | |
| | | 0.199 µg/L | | 1.99 µg/L | | 0.02 µg/L | |
| | | 0.017 mg/L | | 0.458 mg/kg sediment dw | | 0.046 mg/kg sediment dw | |
| | | No hazard identified | | 0.054 mg/kg soil dw | | 16.67 mg/kg food | |

8.2 Exposure controls

8.2.1 Appropriate engineering controls

If, following the risk assessment and the adoption of preventive technical and / or organizational collective protection measures, it appears that there is still a residual risk for the worker, it is necessary to equip the worker with the Personal Protective Equipment.


The use of this mixture does not imply the application of Directive 2004/37 / EC on the protection of workers against the risks deriving from exposure to carcinogens or mutagens at work.

Descriptor for Process categories: PROC19 - Manual activities involving hand contact

8.2.2 Individual protection measures, such as personal protective equipment

The information below must be considered only as an aid to the Head of the Prevention and Protection Service as in addition to this mixture he will have to implement the choices on PPE also in consideration of the other chemical products present in the company used in each specific working phase.

a) EYE/FACE PROTECTION


| PITTOGRAM | PPE | METHOD OF CHOOSING THE PPE | | | | |
|---|--|----------------------------|------------------|---------------------------|------------------------------------|--------------------------|
| | | RISK CHARACTERISTICS | PROTECTION | | | |
|  Eye and face protection devices | PPE for the eyes are second category and must be provided with indelible CE marking and the number of the Notified Body that issued the certification. Their use is foreseen in all places where there is a risk of projections of solid bodies, liquids or optical radiation. For eyeglass wearers, it is possible to use over glasses if the duration of use is limited or to mount graduated lenses on safety frames. Operators wearing contact lenses must make their condition known in order to make it easier, if necessary, to remove them by first aid workers in case of need in an emergency. Standard EN166 Personal eye protection - Specifications | Frontal sketches | Eyeglasses | Glasses with side shields | Mask glasses | Face shield |
| | | Good | Good | Excellent | Excellent | |
| | | Scarso | Good | Excellent | Good / Excellent | |
| | | Excellent | Good | Excellent | Excellent if of adequate thickness | |
| | | Side impacts | Scant | Fairly good | Excellent | It depends on the length |
| | | Neck and face protection | Scant | Scant | Scant | Fairly good |
| | | Wearability | Good / Very good | Good | Fairly good | Good (for short periods) |
| | | Continuous use | Very good | Very good | Fairly good | Fairly good |
| | | Acceptability for use | Very good | Good | Scant | Fairly good |

The Head of the Prevention and Protection Service will assess the need to provide eyewash devices near the areas where the mixture is used.

IN NORMAL USE, NO PERSONAL PROTECTION DEVICES ARE PROVIDED

b) SKIN PROTECTION

i) Hand protection


| PITTOGRAM | PPE | METHOD OF CHOOSING THE PPE | | | |
|--|--|---|---|--|------------|
| | | CHEMICAL PROTECTION | | | |
|  Gloves | The choice of gloves depends on the worker's job, the characteristics of the glove and its biocompatibility. The "grip" must always be guaranteed. The general requirements for choosing the most suitable PPE are: harmlessness, ergonomics / comfort, dexterity, transmission and absorption of water vapor and cleaning. Regarding these requirements, the reference technical standard is UNI EN 420 - Protective gloves. General requirements and test methods. Gloves that protect against chemicals are regulated by EN374 - Protective gloves against chemicals and microorganisms. The basic requirements for this type of gloves are: penetration and permeation. Chemical protective gloves are divided into three categories: Type A, B and C; the belonging to which depends on the number of chemicals tested, from a list of 18 substances that have reached a defined permeation time. Gloves must be checked before use. The choice of gloves based on resistance must be made following the UNI EN 16523 standard - Determination of the resistance of materials to the permeation of chemical products. Use proper technique to remove gloves avoiding skin contact with the contaminated outer surface of the glove. After use, wash and dry your hands. | Type | Level | Time | Substances |
| | | A | 2 | 30 minutes | minimum 6 |
| | | B | 2 | 30 minutes | minimum 3 |
| | | C | 1 | 10 minutes | minimum 1 |
| | | MATERIALS FOR PROTECTION FROM CHEMICAL AGENTS | | | |
| Highlights | LATEX | NEOPRENE | NITRILE | PVC | |
| | Excellent flexibility and tear resistance | Polyvalent chemical resistance: acids, aliphatic solvents. Good resistance to sunlight and ozone. | Excellent resistance to abrasion and perforation. Excellent resistance to hydrocarbon derivatives | Good resistance to acids and bases | |
| Precautions | It can cause allergic reactions. Avoid contact with fatty oils and hydrocarbon derivatives. | Avoid contact with fatty oils and hydrocarbon derivatives | Avoid contact with solvents containing ketones and oxidizing acids, organic nitrogen products. | Weak mechanical resistance. Avoid contact with solvents containing ketones and aromatic solvents | |

The Head of the Prevention and Protection Service will assess the need to provide protective devices.

USE WATERPROOF GLOVES

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ii) other

| PITTOGRAM | PPE | METHOD OF CHOOSING THE PPE | | | | |
|---|--|---|-----------------------|------------|--------------------------|----|
| | | DANGER | Full coverage garment | | Partial coverage garment | |
| | Waterproof | | Permeable to air | Waterproof | Permeable to air | |
|  Work clothing | <p>PPE for the body can be of different categories depending on their specific use. Under normal working conditions, normal work clothing offers characteristics that provide sufficient protection for workers. In activities presenting particular risks, specific "protective clothing" should be used which covers or replaces personal clothing and which is designed with specific protective characteristics. The basic requirements relating to the ergonomics and health of PPE for the body are: harmlessness of the materials, comfort and effectiveness factors, design, thermal resistance of the clothing and the characteristics of the operators. Please note that to ensure adequacy and mobility with full-coverage protective clothing, it is recommended that all operators carry out the "seven movements" test. Standard EN 13688 Protective clothing - General requirements</p> | Gas and fumes | A | NO | NO | NO |
| | | Jets of liquids | A | NO | P | NO |
| | | Splashes and splashes | A | P | P | P |
| | | Dust | A | A | P | P |
| | | Dirt | A | A | A | A |
| | | NO: Indicates that the possibility is not compatible - A: suitable combination - P: combination that depends on external conditions The protective clothing against chemicals, depending on the barrier performance of the raw material used and the packaging of the garment, have different types of protection: Type 1 (gas-tight), Type 2 (non-watertight gas), Type 3 (liquid tight), Type 4 (splash tight), Type 5 (dust tight), Type 6 (limited liquid splash tight). The chemical risks are many and it is therefore necessary to choose the most appropriate garment, also considering that the materials can be both waterproof and permeable, evaluating the combination between the type of protection offered by the construction techniques and the design adopted for the realization of the garment. itself and the performance class from the raw material. | | | | |

If the Head of the Prevention and Protection Service deems it necessary, protective clothing can be worn in combination with an appropriate respiratory protection device and with boots, gloves or other means of protection.

IN NORMAL USE, NO PERSONAL PROTECTION DEVICES ARE PROVIDED


c) RESPIRATORY PROTECTION

| PITTOGRAM | PPE | METHOD OF CHOOSING THE PPE | | | | |
|---|---|--------------------------------------|--|--|------------------------------------|-------------------------------------|
| | | DUST FILTERS | | | | |
| | | Efficiency | Dust class | RPD class and marking | Minimum total filtering efficiency | Protection |
|  RPD (Respiratory protective devices) | <p>PPE for respiratory protection are of the third category and must be provided with CE marking, the number of the Notified Body that issued the certification and must be provided only after information, training and specific training on their use. To define the type of RPD to use, pay attention to the oxygen rate present in the workplace, using the O₂ concentration of 17% as a limit. Carefully define the type of contaminant (Gas, steam / Dust, particles, viruses), its detection threshold and its use or not in a confined space.</p> <p>The UNI EN 529 standard (Respiratory protection devices - Recommendations for selection, use, care and maintenance - Guidance document) establishing the appropriate FPO value "operational protection factor" (eg use of face masks as per standard UNI EN149 - Respiratory protective devices - Filtering half mask against particles) can be a valid aid in determining the most correct PPE.</p> | LOW | Filters P1 | Respirators FFP1 | 78% | Powders/Harmful aerosol |
| | | AVERAGE | Filters P2 | Respirators FFP2 | 92% | Powders/fumes/ low toxicity aerosol |
| | | HIGH | Filters P3 | Respirators FFP3 | 98% | Powders/fumes / Harmful aerosol |
| | | GAS FILTERS | | | | |
| | | Capacity | Class | Maximum concentration | | |
| | | Low | 1 | Gas / vapor concentrations up to 1000 ppm | | |
| | | Average | 2 | Gas / vapor concentrations up to 5000 ppm | | |
| | | High | 3 | Gas / vapor concentrations up to 10000 ppm | | |
| | | TYPE OF FILTERS | | | | |
| | | Type | Protection | | Filter color | |
| | | A | Organic gases and vapors with a boiling point > 65 ° C | | BROWN | |
| | | B | Inorganic gases and vapors | | GREY | |
| | | E | Acid gases | | YELLOW | |
| | | K | Ammonia and derivatives | | GREEN | |
| P | Toxic dusts, fumes, mists | | WHITE | | | |
| AX (EN371) | Low boiling point organic gases and vapors <65 ° C | | BROWN | | | |
| DUST FILTER RESPIRATORS | | | | | | |
| Type of substance | REASON | Filter respirator | Nominal Protection Factor | Operational Protection Factor | | |
| Concentrations | Need / opportunity to protect other parts of the face (eyes - face) | Facial Filter FFP1 Half mask + P1 | 4 | 4 | | |
| Visibility | Filter capacity in relation to exposure time | Facial Filter FFP2 Half mask + P2 | 12 | 10 | | |
| Freedom of movement | Reduction of protection | Facial Filter FFP3 Half mask + P3 | 50 | 30 | | |
| Facial anatomy | Reduction of weight and discomfort | Full face + P1 | 5 | 4 | | |
| Environmental conditions | Mask adequacy | Full face + P2 | 20 | 15 | | |
| | | Full face + P3 | 1000 | 400 | | |

The Head of the Prevention and Protection Service, as well as correctly defining the specific PPE for the activities, must pay attention to follow the instructions provided by the manufacturers of the various PPE.

IN NORMAL USE, NO PERSONAL PROTECTION DEVICES ARE PROVIDED

d) THERMAL HAZARDS

| PITTOGRAM | PPE | OBSERVATIONS |
|--|---|--|
|  Hot/Cold | <p>The indications provided in this section define the PPE intended to protect against possible temperature variations that the mixture causes or that the mixture itself may undergo during normal working activities. PPE must protect against excesses in external temperature by maintaining body temperature, thermally insulate while maintaining permeability to water and air to ensure sweating and moisture removal, respectively, so as not to cause heat loss. In order to protect themselves from the cold, PPE must retain a degree of flexibility that allows the operator to perform the necessary actions and to assume certain positions. PPE intended for short-term interventions or likely to receive projections of hot products, must have a calorific capacity sufficient to return most of the stored heat only after the user has removed them.</p> | <p>PPE intended to protect against thermal differences must have an adequate heat flow transmission coefficient to avoid any risk of damage as required by the foreseeable conditions of use.</p> <p>The heat flow transmitted to the operator during the use of PPE must be such that its accumulation does not in any case reach the pain threshold or the one in which any harmful effect on health occurs. PPE must prevent, as far as possible, the penetration of liquids and must not cause injury caused by contact between their protective coating and the operator.</p> |

The choice of this type of PPE must be made by guaranteeing thermal insulation power and mechanical and chemical resistance adequate to the foreseeable conditions of use that the Head of the Prevention and Protection Service deems necessary.

THE MIXTURE IS NOT EXPECTED TO CAUSE OR UNDERTAKE SIGNIFICANT TEMPERATURE CHANGES DURING THE INTENDED USE.

8.2.3 Environmental exposure controls

Prevent uncontrolled release into the environment.

| | | | |
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

The physical and chemical properties listed below are not to be considered technical specifications. The reference specifications are shown in the technical documentation.

| Physical and chemical properties | | Value | Notes or analytical method |
|----------------------------------|--|---------------------------------|--|
| a) | Physical state | Solid | As defined in Annex I, section 1.0 of Reg. 1272/2008 |
| b) | Colour | Orange | -- |
| c) | Odour | Characteristic of the fragrance | -- |
| d) | Melting point/freezing point | Not determined | -- |
| e) | Boiling point or initial boiling point and boiling range | Not determined | -- |
| f) | Flammability | NO | -- |
| g) | Lower and upper explosion limit | Not applicable | Not applicable to solids |
| h) | Flash point | Not applicable | It does not apply to gases, aerosols and solids |
| i) | Auto-ignition temperature | Not applicable | Applicable to gases and liquids only |
| j) | Decomposition temperature | Not applicable | Applicable only to self-reactive substances and mixtures, organic peroxides and other substances and mixtures which can decompose. |
| k) | pH | Not relevant | Insoluble in water |
| l) | Kinematic viscosity | Not applicable | It only applies to liquids |
| m) | Solubility | Insoluble in water | -- |
| n) | Partition coefficient n-octanol/water (log value) | Not applicable | It does not apply to inorganic and ionic liquids and, as a rule, does not apply to mixtures |
| o) | Vapour pressure | Not determined | -- |
| p) | Density and/or relative density | Not determined | -- |
| q) | Relative vapour density | Not determined | -- |
| r) | Particle characteristics | Not determined | -- |

9.2 Other information

| | | |
|----|--|----------------|
| a) | Explosives: | Not applicable |
| b) | Flammable gases: | Not applicable |
| c) | Aerosols: | Not applicable |
| d) | Oxidising gases: | Not applicable |
| e) | Gases under pressure: | Not applicable |
| f) | Flammable liquids: | Not applicable |
| g) | Flammable solids: | Not applicable |
| h) | Self-reactive substances and mixtures: | Not applicable |
| i) | Pyrophoric liquids: | Not applicable |
| j) | Pyrophoric solids: | Not applicable |
| k) | Self-heating substances and mixtures: | Not applicable |
| l) | Substances and mixtures, which emit flammable gases in contact with water: | Not applicable |
| m) | Oxidising liquids: | Not applicable |
| n) | Oxidizing solids: | Not applicable |
| o) | Organic peroxides: | Not applicable |
| p) | Corrosive to metals: | Not applicable |
| q) | Desensitised explosives: | Not applicable |

9.2.2 Other safety characteristics

Other physical and chemical parameters:

COV (Directive 2010/75 / EC) : 0,82 %

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions of use and storage.

10.2 Chemical stability

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

None known under normal conditions of use.

10.4 Conditions to avoid

| | | |
|----|-------------------------|------------------------------------|
| a) | Temperature | : do not subject to direct heating |
| b) | Pressure | : nothing to report |
| c) | Light | : nothing to report |
| d) | Static discharge | : nothing to report |
| e) | Vibrations | : nothing to report |
| f) | Other physical stresses | : no data available |

10.5 Incompatible materials

| | | |
|----|------------------|---------------------|
| a) | Water | : avoid contact |
| b) | Air | : nothing to report |
| c) | Acids | : avoid contact |
| d) | Bases | : avoid contact |
| e) | Oxidising agents | : avoid contact |
| f) | Reducing agents | : avoid contact |
| g) | Chemicals | : avoid contact |

10.6 Hazardous decomposition products

Under normal conditions the preparation does not decompose. By thermal decomposition, fumes harmful to health can be developed.

| | | | |
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SECTION 11: Toxicological information

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

| Hazard classes | | Information |
|----------------|-----------------------------------|--|
| a) | acute toxicity | : Not classified. based on available data, the classification criteria are not met. |
| b) | skin corrosion/irritation | : Not classified. based on available data, the classification criteria are not met. |
| c) | serious eye damage/irritation | : Not classified. based on available data, the classification criteria are not met. |
| d) | respiratory or skin sensitisation | : The presence of sensitizing substances, even in very low concentrations, can cause an allergic reaction. |
| e) | germ cell mutagenicity | : Not classified. based on available data, the classification criteria are not met. |
| f) | carcinogenicity | : Not classified. based on available data, the classification criteria are not met. |
| g) | reproductive toxicity | : Not classified. based on available data, the classification criteria are not met. |
| h) | STOT-single exposure | : Not classified. based on available data, the classification criteria are not met. |
| i) | STOT-repeated exposure | : Not classified. based on available data, the classification criteria are not met. |
| j) | aspiration hazard | : Not classified. based on available data, the classification criteria are not met. |

Specific toxicological information for the substances contained (if available)

| | | | |
|------------|-------------------------|------------|--------------------------|
| Substance: | Cyclamen aldehyde | | |
| CAS: | 103-95-7 | | |
| | ORAL | INHALATION | SKIN |
| | Rat LD50: 3180 mg/kg bw | -- | Rat LD50: >5000 mg/kg bw |
| | | | NOTES |
| | | | -- |

The values entered in this section are those available, at the time of writing this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.

| | | | |
|------------|---------------------------|------------|---------------------------|
| Substance: | BHT | | |
| CAS: | 128-37-0 | | |
| | ORAL | INHALATION | SKIN |
| | Rat LD50: > 2000 mg/kg bw | -- | Rat LD50: > 2000 mg/kg bw |
| | | | NOTES |
| | | | -- |

The values entered in this section are those available, at the time of writing this SDS, in the ECHA dossier in the Toxicological information section or from the supplier's indications.

| | |
|---|--|
| EXPOSURE AND HEALTH EFFECTS | |
| Routes of exposure | Aerosol, inhalation, ingestion |
| Inhalation risk | A harmful concentration in air cannot be reached or will be reached only very slowly by evaporation of the substance at 20°C |
| Effects of short-term exposure | The substance is irritating to eyes and skin. |
| Effects of long-term or repeated exposure | Repeated or prolonged skin contact may cause dermatitis. The substance may affect the liver. |
| ACUTE HAZARDS/SYMPTOMS | |
| Inhalation | Cough. Sore throat. |
| Skin | Redness. |
| Eyes | Redness. Pain. |
| Ingestion | Abdominal pain. Confusion. Dizziness. Nausea. Vomiting. |
| Notes | -- |

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The mixture does NOT contain substances identified as having endocrine-disrupting properties in accordance with the criteria established in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentrations equal to or greater than 0.1% in weight.

11.2.2 Other information

No further data available

SECTION 12: Ecological information

12.1 Toxicity

The product is dangerous for the environment as it is harmful to aquatic organisms following acute exposure.

Use according to good working practices, avoiding to disperse the product in the environment.

Ecotoxicological information specific to the substances contained

| | | | |
|--------------------------------------|-------------------|---------|----------------------------------|
| Substance: | Cyclamen aldehyde | | |
| CAS: | 103-95-7 | | |
| LC50 – fish | 96h – 2.49 mg/L | Species | : -- |
| EC50 – aquatic invertebrates | 48h – 1.4 mg/L | Species | : Daphnia Magna |
| ERL50 - algae and cyanobacteria | 96h – 4.3 mg/L | Species | : Pseudokirchnerella subcapitata |
| NOEC Cronica fish | -- | Species | : -- |
| NOEC Cronica aquatic invertebrates | -- | Species | : -- |
| NOErL Cronic algae and cyanobacteria | 96h – 2.6 mg/L | Species | : Pseudokirchnerella subcapitata |
| Guideline | | | : ECOSAR v2.0 |
| Guideline | | | : OECD202 |
| Guideline | | | : OECD201 |
| Guideline | | | : -- |
| Guideline | | | : -- |
| Guideline | | | : OECD201 |

| | | | |
|--------------------------------------|----------------|---------|-----------------------------------|
| Substance: | BHT | | |
| CAS: | 128-37-0 | | |
| LC50 – fish | 96h-0.199 mg/L | Species | : Salmo gairdneri |
| EC50 – aquatic invertebrates | 48h-0.48 mg/L | Species | : Daphnia magna |
| ERL50 - algae and cyanobacteria | 72h-0.24 mg/L | Species | : Pseudokirchneriella subcapitata |
| NOEC Cronica fish | 30d-0.053 mg/L | Species | : Oryzias latipes |
| NOEC Cronica aquatic invertebrates | 48h-0.15 mg/L | Species | : Daphnia magna |
| NOErL Cronic algae and cyanobacteria | 72h-0.24 mg/L | Species | : Pseudokirchneriella subcapitata |
| Guideline | | | : ECOSAR v1.00a, phenols class |
| Guideline | | | : OECD 202 |
| Guideline | | | : OECD 201 |
| Guideline | | | : OECD Guideline 210 |
| Guideline | | | : OECD 202 |
| Guideline | | | : OECD 201 |

12.2 Persistence and degradability

May cause long-term adverse effects in the aquatic environment.

Specific biodegradation information for the substances contained

| | | | |
|--------------------------|--------------------------|-----------|-------|
| Substance: | Cyclamen aldehyde | | |
| CAS: | 103-95-7 | | |
| Biodegradation in water: | Readily biodegradable | Test time | : 28d |
| Substance: | BHT | | |
| CAS: | 128-37-0 | | |
| Biodegradation in water: | Not easily biodegradable | Test time | : 28d |

12.3 Bioaccumulative potential

| | | | |
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Data not available for the mixture.

Bioaccumulation information specific to the substances contained

| | |
|--|----------------------------------|
| Substance: | Cyclamen aldehyde |
| CAS: | 103-95-7 |
| Partition coefficient: n-octanol / water | : Log Kow (Log Pow): 3.4 a 35°C |
| BCF | : 102 L/kg ww |
| Substance: | BHT |
| CAS: | 128-37-0 |
| Partition coefficient: n-octanol / water | : Log Kow (Log Pow): 5.2 a 20 °C |
| BCF | : 1 277 adimensional |

12.4 Mobility in soil

No data available.

Mobility information in soil specific to the substances contained

| | |
|---|-------------------|
| Substance: | Cyclamen aldehyde |
| CAS: | 103-95-7 |
| Koc at 20 °C: 1 122 [log Koc = 3.05] | |
| Substance: | BHT |
| CAS: | 128-37-0 |
| Koc at 20 °C: 23 030 [= LogKoc : 4.362] | |

12.5 Results of PBT and vPvB assessment

The chemical safety report is not required for the mixture. However, based on the available data, the mixture does not contain PBT or vPvB substances in a percentage higher than 0.1 in accordance with Regulation 1907/2006, annex XIII.

12.6 Endocrine disrupting properties

The mixture does NOT contain substances identified as having endocrine-disrupting properties in accordance with the criteria established in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentrations equal to or greater than 0.1% in weight.

12.7 Other adverse effects

Classification for water pollution in Germany (AWSV, vom 18. April 2017):

WGK 2: Dangerous for the waters.

SECTION 13: Disposal considerations

The substance/mixture shall not be removed through the sewerage system.

13.1 Waste treatment methods

Container material and type:

Glass / Plastic / Paper / Metal / Composite (identify the exact material from the symbols on the packaging).

Methods for waste treatment of the substance or mixture:

DANGER FEATURES (Directive 2008/98 / EC) : HP14 - Ecotoxic
 RECOVERY OPERATIONS (Directive 2008/98 / EC) : R13 - Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where the waste is produced)
 DISPOSAL OPERATIONS (Directive 2008/98 / EC) : D13 - Blending or mixing prior to submission to any of the operations numbered D 1 to D 12
 EER CODE : 20 01 39 Plastics

Methods for handling any contaminated packaging:

DANGER FEATURES (Directive 2008/98 / EC) : HP14 - Ecotoxic
 RECOVERY OPERATIONS (Directive 2008/98 / EC) : R13 - Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where the waste is produced)
 DISPOSAL OPERATIONS (Directive 2008/98 / EC) : D13 - Blending or mixing prior to submission to any of the operations numbered D 1 to D 12
 EER CODE : 15 01 02 plastic packaging

Physical / chemical properties that can affect waste treatment:

None known

Special precautions for recommended waste treatment:

The hazard characteristics, disposal and recovery operations and the suggested EWC codes refer to the product as it is without considering any changes due to use. It is therefore recommended, before disposal, to reclassify the waste, also evaluating its origin. Any mixing of different types of non-hazardous waste and any mixture of different hazardous waste is prohibited (Article 23 of Directive 2008/98 / EC). Disposal must be entrusted to an authorized waste treatment company, in compliance with national and possibly local regulations

SECTION 14: Transport information

Not included in the scope of the dangerous goods transport regulations: by road (ADR); by rail (RID); by air (ICAO/IATA); by sea (IMDG)

| | | ADR | IMDG | IATA |
|------|--------------------------------|-----|----------------|------|
| 14.1 | UN number or ID number | | Not applicable | |
| 14.2 | UN proper shipping name | | Not applicable | |
| | Technical name | | Not applicable | |
| 14.3 | Transport hazard class(es) | | Not applicable | |
| | Label | | Not applicable | |
| 14.4 | Packing group | | Not applicable | |
| | Limited quantities | | | |
| | Internal packaging (primary) | | Not applicable | |
| | Outer packaging ⁽¹⁾ | | Not applicable | |
| | Packing Instruction | | Not applicable | |
| | Tunnel restriction code | | Not applicable | |
| | EmS | | Not applicable | |
| 14.5 | Stowage and segregation | | Not applicable | |
| | Environmental hazards | | Not applicable | |
| 14.5 | Marine pollutant | | Not applicable | |
| | Special precautions for user | | Not applicable | |

| | | | |
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| | | |
|------|---|----------------|
| 14.7 | Maritime transport in bulk according to IMO instruments | Not applicable |
|------|---|----------------|

1:30 kg in the case of boxes - 20 kg in the case of trays with stretch or shrink film

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

Commission Delegated Regulation (EU) 2017/2100 of 4 September 2017 setting out scientific criteria for the determination of endocrine-disrupting properties pursuant to Regulation (EU) No 528/2012 of the European Parliament and Council.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives

COMMISSION DECISION of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

Product: ORANGE SUMMER FRUITS

Category SEVESO: Not applicable

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

The mixture does not contain an explosive precursor.

15.2 Chemical safety assessment

Chemical safety assessment for the mixture not foreseen. This safety data sheet contains one or more Exposure Scenarios in an integrated form. The content, where relevant, has been included in sections 1.2, 8, 9, 12, 15 and 16 of the same safety data sheet

SECTION 16: Other information

16.1 Indication of any points of the SDS that have been revised

No chapter has been modified as this sheet is the first issue.

16.2 Key abbreviations and acronyms used in this SDS

| | | | |
|--------------|---|---------------|--|
| APVR | Respiratory protective equipment | FPO | Operational protection factor |
| ATE | Acute Toxicity Estimates | GHS | Globally Harmonized System |
| BCF | Bioconcentration Factor | HP | Hazardous Properties |
| CAS | Chemical abstract service | IMO | International Maritime Organization |
| CE | European Community | ISO | International Standard Organization |
| CLP | Classification, Labelling and Packaging | LC50 | Median lethal concentration |
| COV | Volatile Organic Compounds | LD50 | Median lethal dose |
| DNEL | Derived No Effect Level | N.A.S. | Not otherwise specified |
| DPI | Dispositivi di Protezione Individuale | NOEC | No observed effect concentration |
| EC | European Community | ONU | United Nations Organization |
| EC50 | Half maximal effective concentration | PBT | Persistent, Bioaccumulative and Toxic Substances |
| ECHA | European Chemicals Agency | vPvB | Very Persistent and very Bioaccumulative substances |
| EER | European Waste List | ppm | Parts per milion |
| EmS | Emergency Schedules | PROC | Category of processes |
| EN | European normalization | REACH | Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals |
| ERC | Environmental release categories | STOT | Specific target organ toxicity |
| EUH | Supplemental hazard information | STP | Sewage treatment plant |
| EuPCS | European Product Categorisation System | UE | European Union |
| FPN | Protection factor Nominal | UFI | Unique Identifier of Formula |
| FFP | Filtering Facepiece | UNI | Italian Standard Organization. |

16.3 Full text of the Classification Information set out in Section 3

| Description of the hazard class and category codes set out in section 3 | Description of the hazard statements set out in section 3 |
|---|--|
| Skin Irrit. 2 | Skin corrosion/irritation, Hazard Category 2 |
| Skin Sens. 1B | Sensitisation — Skin, hazard category 1B |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| M-Factor | Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1. |

16.4 Bibliographical references and main data sources

| | | | | | |
|-----------------|--|--------------|---|--------------|--|
| ECHA | European Chemicals Agency | OSHA | European Agency for Safety and Health at Work | IARC | International Agency for Research on Cancer |
| TOXNET | Toxicology Data Network | WHO | World Health Organization | ACGIH | American Conference of Governmental Industrial Hygienists |
| ChemLIST | Chemical Lists Information System | ICSCs | International Chemical Safety Cards | ILO | International Labour Organization |
| IPCS | International Programme on Chemical Safety (Cards) | NIOSH | Registry of toxic effects of chemical substances (1983) | IFA | Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung |

16.5 Normative references and / or documents (from which the data in section 8.1 derive)

| Code ⁽¹⁾ | State | Bibliography / documents --> LINK | |
|---------------------|----------------|---|---|
| AUS | Australia | https://www.dguv.de/ifa/...../limit-values-australia/index-2.jsp | https://engage.swa.gov.au/workplace-exposure-standards-review |
| | | https://www.safeworkaustralia.gov.au/exposure-standards#exposure-standards-in-australia | |
| AUT | Austria | https://www.dguv.de/ifa/...../limit-values-austria/index-2.jsp | https://www.iusline.at/gesetz/gkv_2011 |
| | | https://www.ris.bka.gv.at/GeltendeFassung.wxe?Abfrage=Bundesnormen&Gesetzesnummer=20001418 | |
| BEL | Belgium | https://www.dguv.de/ifa/...../limit-values-belgium/index-2.jsp | https://employment.belgium.be/en |
| BGR | Bulgaria | https://pirogo.eu/bg/ | |
| CAN | Canada-Ontario | https://www.dguv.de/ifa/...../limit-values-canada-ontario/index-2.jsp | https://www.labour.gov.on.ca/english/hs/pubs/oel_table.php |
| CAN | Canada-Québec | https://www.dguv.de/ifa/...../limit-values-canada-quebec/index-2.jsp | http://legisquebec.gouv.qc.ca/fr/showdoc/cr/S-.... |
| | | https://www.csst.qc.ca/Pages/index.aspx | |
| CYP | Cyprus | http://www.mlsi.gov.cy/ | |
| CAE | Czech Republic | https://www.mzcr.cz/ | |
| HRV | Croatia | https://www.hzt.hr | |
| DNK | Denmark | https://www.dguv.de/ifa/...../limit-values-denmark/index-2.jsp | https://www.retsinformation.dk/eli/ta/2019/1458 |
| EST | Estonia | http://www.16662.ee/ | |
| EU ⁽²⁾ | European Union | https://www.dguv.de/ifa/...../limit-values-european-union/index-2.jsp | https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:31998L0024 |
| | | https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1523372586043&uri=CELEX:32004L0037 | |
| FIN | Finland | https://www.dguv.de/ifa/...../limit-values-finland/index-2.jsp | https://julkaisut.valtioneuvosto.fi/handle/10024/160967 |

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| FRA | France | https://www.dguv.de/ifa/...../limit-values-france/index-2.jsp | https://www.anses.fr/fr | | |
| | | http://www.inrs.fr/accueil/dms/inrs/CataloguePapier/ED/TI-ED-984/ed984.pdf | | | |
| DEU | Germany (AGS) | https://www.dguv.de/ifa/...../limit-values-germany-(ags)/index-2.jsp | https://www.baua.de/DE/...../Regelwerk/TRGS/pdf/TRGS-900.pdf | | |
| DEU | Germany (DFG) | https://www.dguv.de/ifa/...../limit-values-germany-(dfg)/index-2.jsp | https://www.dfg.de/en/dfg_profile/...../health_hazards/index.html | | |
| | | https://www.dfg.de/dfg_profil/gremien/senat/arbeitsstoffe/publikationen/index.html | | | |
| GRC | Greece | http://www.gcsf.gr/ | | | |
| HUN | Hungary | https://www.dguv.de/ifa/...../limit-values-hungary/index-2.jsp | https://www.biztonsagadatlap.hu/...../5_2020-ll-6-ITM-rendelet.pdf | | |
| ISL | Iceland | https://www.ust.is/the-environment-agency-of-iceland/chemicals/ | | | |
| IRL | Ireland | https://www.dguv.de/ifa/...../limit-values-ireland/index-2.jsp | https://www.hsa.ie/eng/.../2016_CodePracticeChemicalAgentsRegulations/ | | |
| ITA | Italy | https://www.dguv.de/ifa/...../limit-values-italy/index-2.jsp | http://www.preparatipericolosi.iss.it | | |
| JPN | Japan (MHLW) | https://www.dguv.de/ifa/...../limit-values-japan/index-2.jsp | https://www.mhlw.go.jp/english/index.html | | |
| JPN | Japan (JSOH) | https://www.dguv.de/ifa/...../limit-values-japan-isoh/index-2.jsp | https://www.sanei.or.jp/ | | |
| LVA | Latvia | https://www.dguv.de/ifa/...../limit-values-latvia/index-2.jsp | https://likumi.lv/doc.php?id=157382&from=off | | |
| LTU | Lituania | http://www.gamta.lt/ | | | |
| LUX | Luxembourg | http://www.ms.public.lu/fr/ | | | |
| MLT | Malta | https://mccaa.org.mt/ | | | |
| NZL | New Zealand | https://www.dguv.de/ifa/...../limit-values-new-zealand/index-2.jsp | https://worksafe.govt.nz/work-health/./-std-biol-exposure-indices/ | | |
| NOR | Norway | http://www.miliodirektoratet.no/ | https://www.fhi.no/en/ | | |
| CHN | People's Republic of China | https://www.dguv.de/ifa/...../limit-values-china/index-2.jsp | http://www.nhfc.gov.cn/zhuz/pyl/200704/38838.shtml | | |
| POL | Poland | https://www.dguv.de/ifa/...../limit-values-poland/index-2.jsp | http://www.ciop.pl/ | | |
| PRT | Portugal | http://www.inem.pt/ciav | | | |
| ROU | Romania | https://www.dguv.de/ifa/...../limit-values-romania/index-2.jsp | http://www.mmuncii.ro/.../5114-11042018_modif_HG-1218_Ag_chimici.pdf | | |
| SGP | Singapore | https://www.dguv.de/ifa/...../limit-values-singapore/index-2.jsp | https://sso.agc.gov.sg/Act/WSHA2006 | | |
| SVK | Slovakia | http://www.ntic.sk/ | | | |
| SVN | Slovenia | http://www.uk.gov.si/ | | | |
| KOR | South Korea | https://www.dguv.de/ifa/...../limit-values-south-korea/index-2.jsp | http://www.kiha.kr/main/community_view.htm?uid=763&btn=gongi&page=3 | | |
| ESP | Spain | https://www.dguv.de/ifa/...../limit-values-spain/index-2.jsp | https://www.insst.es/ | | |
| SWE | Sweden | https://www.dguv.de/ifa/...../limit-values-sweden/index-2.jsp | https://www.av.se/.../hygieniska-gransvarden-afs-20181-foreskrifter/ | | |
| CHE | Switzerland | https://www.dguv.de/ifa/...../limit-values-switzerland/index-2.jsp | http://suissepro.org/ | | |
| | | https://www.suva.ch/de-CH/..... | | | |
| NLD | The Netherlands | https://www.dguv.de/ifa/...../limit-values-the-netherlands/index-2.jsp | https://www.ser.nl/en | | |
| | | https://wetten.overheid.nl/BWBR0008587/2017-07-01#BijlageXIII | | | |
| TUR | Turkey | https://www.dguv.de/ifa/...../limit-values-turkey/index-2.jsp | | | |
| USA | USA - NIOSH | https://www.dguv.de/ifa/...../limit-values-usa-niosh/index-2.jsp | https://www.cdc.gov/niosh/ | | |
| USA | USA - OSHA | https://www.dguv.de/ifa/...../limit-values-usa-osha/index-2.jsp | www.osha.gov | | |
| GBR | United Kingdom | https://www.dguv.de/ifa/...../limit-values-united-kingdom/index-2.jsp | https://www.hse.gov.uk/research/hsl_pdf/2002/hsl02-23.pdf | | |

(1) ISO3166-1 alpha-3 (2) NO ISO CODE

16.6 Procedures used to derive classification under Regulation (EC)1272/2008 [CLP] in relation to mixtures

| Classification according to Regulation (EC) No. 1272/2008 | Classification procedure |
|---|---|
| H412 Aquatic Chronic 3 | Additivity theory - Annex I, section 4.1.3 - Hazardous to the aquatic environment |

16.7 Any appropriate training courses for workers in order to ensure the protection of human health and the environment

- Training course on the management and interpretation of the SDS
- Training on the use of PPE

More information

Safety Data Sheet compliant with regulation (EU) n. 2020/878 of 18 June 2020

This document has been drawn up by a competent SDS technician who has received adequate training and is certified according to the reference practice UNI / PdR 60: 2019. Certificate issued by INTERTEK ITALIA S.p.A. Registration number: EPTAS2018-00225 exp. 25-Nov-2023

The information in this safety data sheet has been obtained from the best available or known to us on the market at the revision date indicated. Neither the company holding this sheet nor its subsidiaries will be able to accept complaints arising from improper use of the information indicated here or from improper use in applying the product. Pay particular attention to the use of preparations because improper use can increase their danger.

END OF SAFETY DATA SHEET