

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Concentrated Flavor - Flavored Tobacco Extract.

This safety data sheet is valid for the list of trade names and product codes shown in the following table. List of

Commercial Names and Product Codes:**Double White Custard - 342**

| | |
|--------------|---|
| Code: | Double White Custard |
| Product name | Concentrated Flavor Double White Custard - Flavored Tobacco Extract |

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

Identified relevant uses: Utilize with a dilution before Use it. The product contain 20ml of flavor with an ideal concentration for 60ml of total product. Dilute 20ml of product with other 40ml of inhalation liquid (Neutral Bases) for electronic cigarettes (ECig), electronic cigar (ECigar) and electronic pipe (EPipe).

Identified non relevant uses: It is not food. Do not swallow. Do not use as it is. Everything else not stated is identified as non relevant.

| | |
|--------------|----------------------|
| Intended use | Concentrated Flavor. |
|--------------|----------------------|

1.3. Details of the supplier of the safety data sheet

| | |
|----------------------|--|
| Name | LA TABACCHERIA DI ORLANDO D ALESSANDRO |
| Full address | Via Frattamaggiore 22 |
| District and Country | 00132 Roma (Rm) Italia |
| Tel. | +39 3934560139 |
| Fax | +39 0662209809 |

| | |
|--|------------------------|
| e-mail address of the competent person responsible for the Safety Data Sheet | info@latabaccheria.net |
|--|------------------------|

| | |
|--------------------------|----------------------|
| Product distribution by: | Orlando D'Alessandro |
|--------------------------|----------------------|

1.4. Emergency telephone number

| | |
|-------------------------------|--|
| For urgent inquiries refer to | For urgent information contact the Poison Center of Rome +39 06 3054343 (CAV Policlinico Gemelli - Rome) |
|-------------------------------|--|

Telephone numbers of the main Italian Poison Centers (active 24/24 hours)
Poison Center of Pavia +39 0382 24444 (CAV IRCCS Fondazione Maugeri Pavia)
Poison Center of Milan +39 02 66101029 (CAV Niguarda Ca' Granda Milano)
Poison center of Bergamo +39 800 883300 (CAV Ospedali Riuniti - Bergamo)
Poison center of Florence + 39 055 7947819 (CAV Hospital Careggi - Florence)
Poison center of Rome +39 06 49978000 (CAV Policlinico Umberto I - Rome)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

| | |
|---------------------------------------|----|
| Hazard classification and indication: | -- |
|---------------------------------------|----|

2.2. Label elements

Double White Custard - Concentrated Flavor Double White Custard - Flavored Tobacco Extract

SECTION 2. Hazards identification ... / >>

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

Hazard pictograms: --

Signal words: --

Hazard statements:

EUH210 Safety data sheet available on request.
EUH208 Contains: 4-hydroxy-2,5-dimethyl-3(2h)-furanone
May produce an allergic reaction.

Precautionary statements:

P103 Read label before use.
P501 Dispose of product / container in accordance with national regulations.
P102 Keep out of reach of children.
P401 Store between 1°C and 40°C away from sunlight.
P301+P312 IF SWALLOWED: Call a POISON CENTER or a doctor if you feel unwell.

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%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

| Identification | x = Conc. % | Classification 1272/2008 (CLP) |
|----------------|-------------|--------------------------------|
|----------------|-------------|--------------------------------|

Propylene Glycol USP-EP-E1520

| | | |
|-----|---------|--------------------|
| CAS | 57-55-6 | $99 \leq x < 99,5$ |
|-----|---------|--------------------|

| | | |
|----|-----------|--|
| EC | 200-338-0 | |
|----|-----------|--|

| | | |
|-------|--|--|
| INDEX | | |
|-------|--|--|

| | | |
|----------|------------------|--|
| Reg. no. | 01-2119456809-23 | |
|----------|------------------|--|

ETHANOL

| | | | |
|-----|---------|---------------------|--------------------------|
| CAS | 64-17-5 | $0,5 \leq x < 0,52$ | Flam. Liq. 2 H225 |
|-----|---------|---------------------|--------------------------|

| | | | |
|----|-----------|--|--|
| EC | 200-578-6 | | |
|----|-----------|--|--|

| | | | |
|-------|--------------|--|--|
| INDEX | 603-002-00-5 | | |
|-------|--------------|--|--|

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

SECTION 4. First aid measures

4.1. Description of first aid measures

Not specifically necessary. Observance of good industrial hygiene is recommended.

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.

Double White Custard - Concentrated Flavor Double White Custard - Flavored Tobacco Extract

SECTION 5. Firefighting measures ... / >>

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF 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. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

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

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. 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

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

| | | |
|-----|----------------|---|
| 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 |
| ESP | España | Límites de exposición profesional para agentes químicos en España 2019 |
| FRA | France | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS |
| GBR | United Kingdom | EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| | TLV-ACGIH | ACGIH 2020 |

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SECTION 8. Exposure controls/personal protection ... / >>

Propylene Glycol USP-EP-E1520

Predicted no-effect concentration - PNEC

| | | |
|--|-------|-------|
| Normal value in fresh water | 260 | mg/l |
| Normal value in marine water | 26 | mg/l |
| Normal value for fresh water sediment | 572 | mg/kg |
| Normal value for marine water sediment | 57,2 | mg/kg |
| Normal value for water, intermittent release | 183 | mg/l |
| Normal value of STP microorganisms | 20000 | mg/l |
| Normal value for the terrestrial compartment | 50 | mg/kg |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | Effects on workers | | | | | |
|-------------------|----------------------|----------|--------------------|----------|-------|----------|---------|----------|
| | Acute | Acute | Chronic | Chronic | Acute | Acute | Chronic | Chronic |
| | local | systemic | local | systemic | local | systemic | local | systemic |
| Inhalation | | | 10 | 50 | | | 10 | 168 |
| | | | mg/m3 | mg/m3 | | | mg/m3 | mg/m3 |

ETHANOL

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|------|------------|------|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 380 | 200 | 1520 | 800 | |
| MAK | DEU | 380 | 200 | 1520 | 800 | |
| VLA | ESP | | | 1910 | 1000 | |
| VLEP | FRA | 1900 | 1000 | 9500 | 5000 | |
| WEL | GBR | 1920 | 1000 | | | |
| TLV-ACGIH | | | | 1884 | 1000 | |

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.

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.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I 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, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. 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.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

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

9.1. Information on basic physical and chemical properties

| Properties | Value | Information |
|------------|-------|-------------|
|------------|-------|-------------|

Double White Custard - Concentrated Flavor Double White Custard - Flavored Tobacco Extract

SECTION 9. Physical and chemical properties ... / >>

| | |
|--|----------------|
| Appearance | liquid |
| Colour | various |
| Odour | characteristic |
| Odour threshold | Not available |
| pH | Not available |
| Melting point / freezing point | Not available |
| Initial boiling point | Not available |
| Boiling range | Not available |
| Flash point | Not available |
| Evaporation rate | Not available |
| Flammability (solid, gas) | Not available |
| Lower inflammability limit | Not available |
| Upper inflammability limit | Not available |
| Lower explosive limit | Not available |
| Upper explosive limit | Not available |
| Vapour pressure | Not available |
| Vapour density | Not available |
| Relative density | Not available |
| Solubility | Not available |
| Partition coefficient: n-octanol/water | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| Viscosity | Not available |
| Explosive properties | Not available |
| Oxidising properties | Not available |

9.2. Other information

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

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

Propylene Glycol USP-EP-E1520

Hygroscopic. Stable in normal conditions of use and storage.

At high temperatures it tends to oxidate to form propionaldehyde and lactic and acetic acid.

10.2. Chemical stability

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

Propylene Glycol USP-EP-E1520

Maintaining a temperature of less than 40 °C.

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.

Propylene Glycol USP-EP-E1520

May react dangerously with: acid chlorides, acid anhydrides, oxidising agents.

ETHANOL

Risk of explosion on contact with: alkaline metals, alkaline oxides, calcium hypochlorite, sulphur monofluoride, acetic anhydride, acids, concentrated hydrogen peroxide, perchlorates, perchloric acid, perchloronitrile, mercury nitrate, nitric acid, silver, silver nitrate, ammonia, silver oxide, ammonia, strong oxidising agents, nitrogen dioxide. May react dangerously with: bromoacetylene, chlorine acetylene, bromine trifluoride, chromium trioxide, chromyl chloride, fluorine, potassium tert-butoxide, lithium hydride, phosphorus trioxide, black platinum, zirconium (IV) chloride, zirconium (IV) iodide. Forms explosive mixtures with: air.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

ETHANOL

Avoid exposure to: sources of heat, naked flames.

10.5. Incompatible materials

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SECTION 10. Stability and reactivity ... / >>

Information not available

10.6. Hazardous decomposition products

Propylene Glycol USP-EP-E1520
May develop: carbon oxides.

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 toxicological effects

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: | Not classified (no significant component) |

| | |
|-------------------------------|--------------------|
| Propylene Glycol USP-EP-E1520 | |
| LD50 (Oral) | 22000 mg/kg ratto |
| LD50 (Dermal) | > 2000 mg/kg ratto |

| | |
|-------------------|---------------------------------|
| ETHANOL | |
| LD50 (Oral) | > 5000 mg/kg Rat |
| LC50 (Inhalation) | 120 mg/l/4h Pimephales promelas |

Propylene Glycol USP-EP-E1520
Tossicità dopo assunzione ripetuta (subacuta, subcronica, cronica)
Tossicità orale subacuta
Parametro : NOAEL(C) (PROPANE-1,2-DIOL ; No. CAS : 57-55-6)
Via di esposizione : Per via orale
Specie : Ratto (maschio)
Dose efficace : 1700 mg/kg
Tossicità inalativa subacuta
Parametro : NOAEC (PROPANE-1,2-DIOL ; No. CAS : 57-55-6)
Via di esposizione : Inalazione
Specie : Ratto (maschio)
Dose efficace : 2200 mg/m3.

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

Propylene Glycol USP-EP-E1520
Potere irritante: non irritante.

SERIOUS EYE DAMAGE / IRRITATION

Double White Custard - Concentrated Flavor Double White Custard - Flavored Tobacco Extract**SECTION 11. Toxicological information ... / >>**

Does not meet the classification criteria for this hazard class

Propylene Glycol USP-EP-E1520
Potere irritante: non irritante.

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

4-hydroxy-2,5-dimethyl-3(2h)-furanone

Respiratory sensitization
Propylene Glycol USP-EP-E1520
Non si conoscono effetti sensibilizzanti.

Skin sensitization
Propylene Glycol USP-EP-E1520
Non si conoscono effetti sensibilizzanti.

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

Propylene Glycol USP-EP-E1520
Cancerogenicità
Parametro : NOAEL(C) (PROPANE-1,2-DIOL ; No. CAS : 57-55-6)
Via di esposizione : Ratto (maschio)
Dose efficace : 1700 mg/kg.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on development of the offspring
Propylene Glycol USP-EP-E1520
Possibili effetti nocivi sulla tossicità dello sviluppo
Parametro : NOAEL (Sviluppo fetale) (PROPANE-1,2-DIOL ; No. CAS : 57-55-6)
Via di esposizione : Topo
Dose efficace : 10400 mg/kg bw/day.

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

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

| | |
|-----------------------------------|-------------------------------------|
| Propylene Glycol USP-EP-E1520 | |
| LC50 - for Fish | 40613 mg/l/96h Oncorhynchus mykiss |
| EC50 - for Crustacea | 18340 mg/l/48h Ceriodaphnia dubia |
| EC50 - for Algae / Aquatic Plants | 19000 mg/l/48h Skeletonema costatum |

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SECTION 12. Ecological information ... / >>

12.2. Persistence and degradability

Propylene Glycol USP-EP-E1520
Solubility in water 1000 - 10000 mg/l
Rapidly degradable

ETHANOL
Solubility in water 1000 - 10000 mg/l
Rapidly degradable

12.3. Bioaccumulative potential

Propylene Glycol USP-EP-E1520
Partition coefficient: n-octanol/water -1,07
BCF 0,09

ETHANOL
Partition coefficient: n-octanol/water -0,35

12.4. Mobility in soil

Propylene Glycol USP-EP-E1520
Partition coefficient: soil/water 0,46

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. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

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SECTION 14. Transport information ... / >>**14.5. Environmental hazards**

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

Point 40

Contained substance

Point 75 dihydrocoumarin

Regulation (EC) No. 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 (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

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

Additional Information:

- Sale prohibited to minors under 18 years.

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

| | |
|---------------------|---|
| Flam. Liq. 2 | Flammable liquid, category 2 |
| H225 | Highly flammable liquid and vapour. |
| EUH210 | Safety data sheet available on request. |

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)

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SECTION 16. Other information ... / >>

- CE NUMBER: Identifier in ESIS (European archive of existing substances)- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- 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 NUMBER: 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: EC Regulation 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 STEL: Short-term exposure limit
- TWA: Time-weighted average 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) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 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) 2018/1480 (XIII Atp. CLP)
16. Regulation (EU) 2019/521 (XII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Regulation (EU) 2020/217 (XIV 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.

CALCULATION METHODS FOR CLASSIFICATION

SECTION 16. Other information ... / >>

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.