Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

Code:	**Gras**
Product name	**Gras**
UFI code:	**X270-P0CK-U00T-23E2**

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

Intended use	**Lubricant**

1.3. Details of the supplier of the safety data sheet

Name	**STIL CRIN SRL**
Full address	**VIA PER GOTTOLENGO 12/A**
District and Country	**25020 PAVONE DEL MELLA BS** **Italia**
	Tel. +39 030959496
e-mail address of the competent person responsible for the Safety Data Sheet	**anastasia@stilcrin.it**

1.4. Emergency telephone number

For urgent inquiries refer to	**IRELAND: National Poisons Information Centre (NPIC): +353 1 8092166** **MALTA: Medicines & poisons info Office 112**

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.

Physical and chemical hazards: the product is not classified for this hazard category.
Health hazards: the product may cause an allergic skin reaction. The product is harmful to aquatic life with long lasting effects.
Environmental hazards: the product is not classified for this hazard category.

Hazard classification and indication:

Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms:

Signal words: Warning

Hazard statements:

H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P280	Wear protective gloves.
P261	Avoid breathing mist, vapours and spray.
P273	Avoid release to the environment.
P333+P313	If skin irritation or rash occurs: Get medical attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Contains: Naphthenic acids, zinc salts, basic

2.3. Other hazards
On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.
The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	Concentration %	Classification (EC) 1272/2008 (CLP)	Specific concentration limits 1272/2008 (CLP)
Naphthenic acids, zinc salts, basic			
INDEX -	1 - < 2,5	Skin Sens. 1 H317, Aquatic Chronic 3 H412	*Not applicable*
EC 282-762-6			
CAS 84418-50-8			
REACH Reg. 01-2119988500-34-XXXX			
Dizinc pyrophosphate			
INDEX -	< 1	Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1	*Not applicable*
EC 231-203-4			
CAS 7446-26-6			
REACH Reg. 01-2120768152-56-XXXX			

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

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. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.
INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.
INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless 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
Treat symptomatically. Consult a doctor.

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
Do not breathe combustion products (mainly COx, phosphorous and zinc compounds).

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
FOR NON-EMERGENCY PERSONNEL
Alert personnel responsible coordinating the response to such emergencies. Move away from the area affected by the accident if you are not in possession of the personal protective equipment listed in Section 8.

FOR EMERGENCY RESPONDERS
Evacuate all personnel not suitably equipped to deal with the emergency.
Wear suitable protective clothing and equipment, as set out in Section 8 of the safety data sheet, to prevent any contamination of the skin, eyes and personal clothing. Stop leak if safe to do so.
Do not permit workers to access the area affected by the accident until safe conditions have been restored. Ventilate the areas affected

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
Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
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
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. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities
Store only in the original container. Store the containers sealed, in a well-ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)
No specific end uses are intended other than the relevant uses set out in Section 1.2 of this safety data sheet.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

The product does not contain any substances that are subject to Community workplace exposure limits (OEL) requiring declaration in this Section.

Dizinc pyrophosphate

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,233	µg/L
Normal value in marine water	23,3	ng/L
Normal value for fresh water sediment	25,6	mg/kg/d
Normal value for marine water sediment	2,56	mg/kg/d
Normal value for marine water, intermittent release	2,33	µg/L
Normal value for fresh water, intermittent release	0,233	µg/L
Normal value of STP microorganisms	0,052	mg/l
Normal value for the terrestrial compartment	5,13	mg/kg/d

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				1,93 mg/kg bw/d				
Inhalation				6,76 mg/m3				13,5 mg/m3
Skin				193 mg/kg bw/d				193 mg/kg bw/d

Naphthenic acids, zinc salts, basic

Predicted no-effect concentration - PNEC		
Normal value in fresh water	6,39	µg/L
Normal value in marine water	0,64	µg/L
Normal value for fresh water sediment	31,93	mg/kg/d
Normal value for marine water sediment	3,19	mg/kg/d
Normal value for marine water, intermittent release	63,86	µg/L
Normal value for fresh water, intermittent release	6,39	µg/L
Normal value of STP microorganisms	147,73	µg/L
Normal value for the terrestrial compartment	6,38	mg/kg/d

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.

HAND PROTECTION

Protect hands with category III t least type B gloves that protect against aromatic hydrocarbons, organic acids; recommended material: nitrile, butyl rubber. Thickness: > 1 mm.
The following should be considered when choosing work glove material (see standard EN 374): 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 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. Provide an emergency shower with face and eye wash station.

EYE PROTECTION
Wear preferably 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 (A/P)
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.
Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	paste	
Colour	beige	
Odour	like mineral oil	
Melting point / freezing point	not available	
Initial boiling point	not available	
Flammability	not flammable	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	not available	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	not applicable	The product is not soluble in water
Kinematic viscosity	not available	
Solubility	insoluble in water	
Partition coefficient: n-octanol/water	not applicable	The product is a mixture
Vapour pressure	not available	
Density and/or relative density	0,92 g/cm3	Temperature: 20 °C
Relative vapour density	not available	
Particle characteristics	not applicable	The product is a paste

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

Information not available
9.2.2. Other safety characteristics
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.

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

10.5. Incompatible materials
Oxidants

10.6. Hazardous decomposition products
By thermal decomposition, gases and vapors potentially harmful to health can be released (mainly COx, phosphorous and zinc compounds).

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
On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

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)

Dizinc pyrophosphate

LD50 (Dermal):	> 2000 mg/kg Porcellino d'india
LD50 (Oral):	> 2000 mg/kg Ratto

LC50 (Inhalation mists/powders):	> 4,73 mg/l/4h Ratto

Naphthenic acids, zinc salts, basic

LD50 (Dermal):	> 2000 mg/kg Coniglio
LD50 (Oral):	> 2000 mg/kg Ratto
LC50 (Inhalation mists/powders):	> 4,2 mg/l/4h Ratto

SKIN CORROSION / IRRITATION
On the basis of available data and in view of the classification criteria set forth in table 3.2.3 of Annex I of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

SERIOUS EYE DAMAGE / IRRITATION
On the basis of available data and in view of the classification criteria set forth in table 3.3.3 of Annex I of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

RESPIRATORY OR SKIN SENSITISATION
On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is classified as ***Skin Sens.1, H317.***

GERM CELL MUTAGENICITY
On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

CARCINOGENICITY
On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

REPRODUCTIVE TOXICITY
On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

STOT - SINGLE EXPOSURE
On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

STOT - REPEATED EXPOSURE
On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

ASPIRATION HAZARD
On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified 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

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12.1. Toxicity
Based on the evaluation of the classification of components and the classification provisions set out in Annex I, Part 4 of Reg. (EC) 1272/2008 and subsequent amendments, the product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment is classified as environmentally hazardous ***(Aquatic Chronic 3; H412)***

Dizinc pyrophosphate

LC50 - for Fish	> 1,948 mg/l/96h Danio rerio

EC50 - for Crustacea	< 5,6 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	0,233 mg/l/72h Pseudokirchneriella subcapitata
Chronic NOEC for Algae / Aquatic Plants	0,043 mg/l Pseudokirchneriella subcapitata

Naphthenic acids, zinc salts, basic	
LC50 - for Fish	0,169 mg/l/96h Oncorrhynchus Mykiss
EC50 - for Crustacea	0,147 mg/l/48h Ceriodapnia dubia
Chronic NOEC for Algae / Aquatic Plants	0,019 mg/l Pseudokircherniella subcapitata - 27 giorni

12.2. Persistence and degradability

Dizinc pyrophosphate	Rapidly degradable
Naphthenic acids, zinc salts, basic	Entirely degradable

12.3. Bioaccumulative potential
Information not available

12.4. Mobility in soil
Information not available

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 ≥ 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.
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 or ID 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

14.5. Environmental hazards
not applicable

14.6. Special precautions for user
not applicable

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: None

Biocidal Products Regulation (Reg. (EU) 528/2012): not applicable

Detergent regulations (Reg. (EC) 648/2004): not applicable

Dir. 2004/42/EC - VOC/Italian Leg. Decr. 161/2006: not applicable

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

Product
Point 3

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 ≥ 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 and for the substances indicated in section 3.

SECTION 16. Other information

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

Skin Sens. 1	Skin sensitization, category 1
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful 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
- 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).
- A1 = Confirmed Human Carcinogen
- A2 = Suspected Human Carcinogen
- A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans
- A4 = Not Classifiable as a Human Carcinogen
- A5 = Not Suspected as a Human Carcinogen
- IBE = Biological Indicators of Exposure.

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 (UE) 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

CALCULATION METHODS

Chemical-physical hazards: the dangerousness has been derived from the classification criteria of CLP Regulation Annex I Part 2 as amended and added.
Health hazards have been assessed with the calculation method set out by Reg. (EC) 1272/2008 (CLP) as amended and added for the classification of mixtures when data are available on all components of the mixture or some of them:
Acute Tox: application of criteria in Table 3.1.1. Annex I Part 3 of CLP Regulation as amended and added.
Skin Corr. 1A/1B/1C H314: application of additivity formula criteria in Table 3.2.3 Annex I Part 3 of CLP Regulation
Skin Irrit 2 H315: application of additivity formula criteria in Table 3.2.3 Annex I Part 3 of CLP Regulation
Eye Dam 1 H318: application of additivity formula criteria in Table 3.3.3 Annex I Part 3 of CLP Regulation
Eye Irrit. 2 H319: application of the additivity formula criteria in Table 3.3.3 Annex I Part 3 of CLP Regulation
Eye Irrit. 2 H319: table 3.3.3 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) as amended and added.
Skin Sens 1A/1B/1 H317 Table 3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) as amended and added.
Resp Sens 1A/1B/1 H334 Table 3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) as amended and added.
Muta. 1A/1B, 2 H340 - H341: table 3.5.2 Annex I Part 3 of CLP Regulation as amended and added.
Carc 1A/1B, 2 H350 - H351: table 3.6.2 Annex I Part 3 of CLP Regulation as amended and added.
Repr 1A/1B, 2 H360 - H361: table 3.7.2 Annex I Part 3 of CLP Regulation as amended and added.
STOT SE 1, 2 H370 - 371: application of the calculation methods - table 3.8.3 of Ann. I, Part 3 of Reg. (EC) 1272/2008 (CLP) as amended and added.
STOT SE 3 H336: ch. 3.8.3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) as amended and added.
STOT RE 1, 2 H372 - H373: table 3.9.4 Annex I Part 3 of CLP Regulation as amended and added.
Asp Tox 1 H304: application of criteria 3.10 Annex I Part 3 of CLP Regulation as amended and added
Environmental hazards have been assessed with the calculation method set out by Reg. (EC) 1272/2008 (CLP) as amended and added for the classification of mixtures when data are available on all components of the mixture or some of them:
toxicity for the aquatic environment acute effects: table 4.1.1 of Annex I, Part 4 of Reg. (EC) 1272/2008 (CLP) as amended and added;
toxicity for the aquatic environment chronic effects: table 4.1.2 of Annex I, Part 4 of Reg. (EC) 1272/2008 (CLP) as amended and added.

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.

Sections revised from previous version: ALL