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

#### 1.1. Product identifier

Product form: Mixture

Product name: PRO-PRIME 101 Comp. B

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

1.2.1. Relevant identified uses Industrial - For professional use only

Industrial/Professional use spec:

#### 1.2.2. Uses advised against

No additional information available

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

#### NAVIC

27B1, Polidefkous St. 185 45 Piraeus Greece

Tel: +30 210 4225 145 www.navic-chemicals.com

## 1.4. Emergency telephone number

Emergency number: +30 210 7793 777 - (National Poison Helpline)

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

## Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4: H302
Skin corrosion/irritation, Category 1: H314

Skin sensitisation, Category 1: H317

Hazardous to the aquatic environment – Chronic Hazard, Category 3: H412

Full text of H- and EUH-statements: see section 16

## Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

## Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):



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GHS05 GHS07

Signal word (CLP): Danger.

Contains: benzyl alcohol; Phenol, polymer with formaldehyde; m-

Phenylenebis(methylamine); 3- Cyclohexylaminopropylamine; 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-

epoxypropane, reaction products with 3-aminomethyl-3,5,5-

trimethylcyclohexylamine; 3-aminomethyl-3,5,5-trimethylcyclohexylamine.

Hazard statements (CLP): H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP): P280 - Wear protective gloves, face protection, eye protection.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P273 - Avoid release to the environment.

P501 - Dispose of contents to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII.

Component	
m-Phenylenebis(methylamine)(1477-55-0)	The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not 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 at a concentration equal to or greater than 0.1 %.

## **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
benzyl alcohol	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057- 00-5 REACH-no: 01- 2119492630-38	< 35	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319

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4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine	CAS-No.: 38294-64-3 EC-No.: 500-101-4	< 30	Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412
3-aminomethyl-3,5,5-trimethylcyclohexylamine	CAS-No.: 2855-13-2 EC-No.: 220-666-8 EC Index-No.: 612-067- 00-9	< 30	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Formaldehyde, polymer with 1,3-benzenedimethanamine and phenol	CAS-No.: 57214-10-5 EC-No.: 500-137-0	<1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Phenol, polymer with formaldehyde	CAS-No.: 9003-35-4 EC-No.: 500-005-2	<1	Eye Irrit. 2, H319 Skin Sens. 1, H317
m-Phenylenebis(methylamine)	CAS-No.: 1477-55-0 EC-No.: 216-032-5	<1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:vapour), H332 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
3-Cyclohexylaminopropylamine	CAS-No.: 3312-60-5 EC-No.: 222-001-7	< 0.25	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

## **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek

medical advice (show the label where possible).

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Immediately call a

POISON CENTER/doctor.

First-aid measures after skin contact: Take off immediately all contaminated clothing. Rinse skin with water. Immediately call

a POISON CENTER/doctor. Wash with plenty of water. If skin irritation or rash occurs:

Get medical advice/attention.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel

unwell. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects: Causes severe skin burns and eye damage.

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Symptoms/effects after inhalation: May cause an allergic skin reaction.

Symptoms/effects after ingestion: Swallowing a small quantity of this material will result in serious health hazard.

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

No additional information available.

# **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available.

#### 5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical

fire. Prevent fire fighting water from entering the environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

### 6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

### 6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work. Provide good ventilation in process area to prevent formation

of vapour. Do not breathe vapours.

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Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed

out of the workplace.

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

Technical measures: Comply with applicable regulations.

Storage conditions: Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep

container closed when not in use.

Incompatible products: Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

## 7.3. Specific end use(s)

No additional information available.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

## 8.1.1 National occupational exposure and biological limit values

No additional information available.

#### 8.1.2. Recommended monitoring procedures

No additional information available.

### 8.1.3. Air contaminants formed

No additional information available.

## 8.1.4. DNEL and PNEC

No additional information available.

### 8.1.5. Control banding

No additional information available.

#### 8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

No additional information available.

## 8.2.2. Personal protection equipment

Personal protective equipment: Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



## 8.2.2.1. Eye and face protection

Eye protection: Chemical goggles or face shield.

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#### 8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing.

Hand protection: Wear protective gloves.

8.2.2.3. Respiratory protection

Respiratory protection: Wear appropriate mask.

8.2.2.4. Thermal hazards

No additional information available.

8.2.3. Environmental exposure controls

Other information: Do not eat, drink or smoke during use.

# SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: Liquid. Colour: Blue. Green. Odour: Characteristic. Odour threshold: Not available. Melting point: Not available. Freezing point: Not available. Boiling point: Not available. Flammability: Non-flammable.

Explosive properties: Not applicable, product is not explosive.

Oxidising properties: Not applicable, product is not oxidising.

Explosive limits:

Lower explosion limit:

Upper explosion limit:

Not available.

Not available.

Not available.

Flash point:

> 65 °C.

Auto-ignition temperature:

Not available.

Decomposition temperature: Not available. pH: Not applicable. Viscosity, kinematic: > 20.5 mm<sup>2</sup>/s. Solubility: Not available. Partition coefficient n-octanol/water (Log Kow): Not available. Not available. Vapour pressure: Vapour pressure at 50 °C: Not available. Density: Not available. Relative density: Not available. Relative vapour density at 20 °C: Not available.

## 9.2. Other information

Particle characteristics:

### 9.2.1. Information with regard to physical hazard classes

No additional information available.

Not applicable.

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#### 9.2.2. Other safety characteristics

VOC content: 0 g/l.

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Thermal decomposition generates: Corrosive vapours.

#### 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

## 10.4. Conditions to avoid

No additional information available.

### 10.5. Incompatible materials

Peroxides. Oxidizing agent. Organic materials.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. Nitrogen oxides. ammonia. Thermal decomposition generates: Corrosive vapours.

## **SECTION 11: Toxicological information**

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

Acute toxicity (oral): Harmful if swallowed.

Acute toxicity (dermal): Not classified (Based on available data, the classification criteria are not met).

Acute toxicity (inhalation): Not classified (Based on available data, the classification criteria are not met).

PRO-PRIME	101	Comp.	В
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ATE CLP (oral) 791.139 mg/kg bodyweight

## benzyl alcohol (100-51-6)

LD50 oral rat 1620 mg/kg bodyweight

# 3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)

LD50 oral rat 1030 mg/kg bodyweight

Skin corrosion/irritation: Causes severe skin burns.

pH: Not applicable.

Serious eye damage/irriation: Assumed to cause serious eye damage.

pH: Not applicable.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Not classified

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Additional information: Based on available data, the classification criteria are not met.

Carcinogenicity: Not classified.

Additional information: Based on available data, the classification criteria are not met.

Reproductive toxicity: Not classified.

Additional information: Based on available data, the classification criteria are not met.

STOT-single exposure: Not classified.

Additional information: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Not classified.

Additional information: Based on available data, the classification criteria are not met.

benzyl alcohol (100-51-6)	
NOAEL (oral, rat, 90 days)	400 mg/kg bodyweight/day

Aspiration hazard: Not classified.

Additional information: Based on available data, the classification criteria are not met.

PRO-PRIME 101 Comp. B	
Viscosity, kinematic	> 20.5 mm²/s

### 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available.

#### 11.2.2. Other information

Potential adverse human health effects and symptoms: Harmful if swallowed.

# **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - water: Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute): Not classified.

Hazardous to the aquatic environment, long-term (chronic): Toxic to aquatic life with long lasting effects.

benzyl alcohol (100-51-6)	
LC50 - Fish [1]	460 mg/l LC50 96h fish
EC50 72h - Algae [1]	770 mg/l

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine (38294-64-3)	
LC50 - Fish [1]	70.7 mg/l LC50 96h fish

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EC50 72h - Algae [1]	79.4 mg/l
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3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
LC50 - Fish [1]	110 mg/l LC50 96h fish
EC50 72h - Algae [1]	50 mg/l

## 12.2. Persistence and degradability

PRO-PRIME 101 Comp. B	
Persistence and degradability	May cause long-term adverse effects in the environment.

### 12.3. Bioaccumulative potential

PRO-PRIME 101 Comp. B	
Bioaccumulative potential	Not established.

## 12.4. Mobility in soil

No additional information available.

## 12.5. Results of PBT and vPvB assessment

No additional information available.

## 12.6. Endocrine disrupting properties

No additional information available.

## 12.7. Other adverse effects

Additional information: Avoid release to the environment.

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of

contents/container to hazardous or special waste collection point, in accordance with

local, regional, national and/or international regulation.

Ecology - waste materials: Avoid release to the environment.

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID.

## 14.1. UN number or ID number

UN-No. (ADR): UN 2735 UN-No. (IMDG): UN 2735 UN-No. (IATA): UN 2735 UN-No. (ADN): Not regulated UN-No. (RID): Not regulated

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## 14.2. UN proper shipping name

Proper Shipping Name (ADR) AMINES, LIQUID, CORROSIVE, N.O.S.

Proper Shipping Name (IMDG) AMINES, LIQUID, CORROSIVE, N.O.S.

Proper Shipping Name (IATA) Amines, liquid, corrosive, n.o.s.

Proper Shipping Name (ADN) Not regulated
Proper Shipping Name (RID) Not regulated

Transport document description (ADR) UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-

trimethylcyclohexylamine), 8, III, (E).

Transport document description (IMDG) UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-

trimethylcyclohexylamine), 8, III.

Transport document description (IATA) UN 2735 Amines, liquid, corrosive, n.o.s. (3-aminomethyl-3,5,5-trimethylcyclohexylamine),

8. III.

### 14.3. Transport hazard class(es)

#### **ADR**

Transport hazard class(es) (ADR): 8
Danger labels (ADR): 8



#### **IMDG**

Transport hazard class(es) (IMDG): 8
Danger labels (IMDG): 8



#### IATA

Transport hazard class(es) (IATA): 8
Danger labels (IATA): 8



#### ADN

Transport hazard class(es) (ADN): Not regulated

RID

Transport hazard class(es) (RID): Not regulated

## 14.4. Packing group

Packing group (ADR): II
Packing group (IMDG): II
Packing group (IATA): II

Packing group (ADN): Not regulated Packing group (RID): Not regulated

## 14.5. Environmental hazards

Dangerous for the environment: No Marine pollutant: No

Other information: No supplementary information available.

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## 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR):

Special provisions (ADR):

Limited quantities (ADR):

Excepted quantities (ADR):

E1

Packing instructions (ADR): P001, IBC03, LP01, R001

Mixed packing provisions (ADR): MP19

Portable tank and bulk container special provisions (ADR): TP1, TP28

Tank code (ADR):

Vehicle for tank carriage:

AT

Transport category (ADR):

3

Special provisions for carriage - Packages (ADR): V12

Hazard identification number (Kemler No.):

Orange plates:

80 2735

80

Tunnel restriction code (ADR):

EAC code: 2X

## Transport by sea

Special provisions (IMDG): 223, 274

Limited quantities (IMDG): 5 L

Excepted quantities (IMDG): E1

Packing instructions (IMDG): P001, LP01
IBC packing instructions (IMDG): IBC03
Tank instructions (IMDG) T7

Tank special provisions (IMDG) TP1, TP28

EmS-No. (Fire):F-AEmS-No. (Spillage):S-BStowage category (IMDG):A

Segregation (IMDG): SGG18, SG35

## Air transport

PCA Excepted quantities (IATA): E1 PCA Limited quantities (IATA): Y841 PCA limited quantity max net quantity (IATA): 1 L 852 PCA packing instructions (IATA): PCA max net quantity (IATA): 5 L CAO packing instructions (IATA): 856 CAO max net quantity (IATA): 60 L Special provisions (IATA): A3, A803

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ERG code (IATA) 8 L

Inland waterway transport

Not regulated.

Rail transport

Not regulated.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

## **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

#### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions).

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List).

#### **REACH Candidate List (SVHC)**

Contains no substance on the REACH Candidate List.

#### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals).

### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants).

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer).

#### VOC Directive (2004/42)

VOC content: 0 g/l

### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors).

#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

#### 15.1.2. National regulations

#### France

Occupational diseases	
Code	Description
RG 49	Skin disorders caused by aliphatic, alicyclic amines or ethanolamines.
RG 49 BIS	Respiratory disorders caused by aliphatic amines, ethanolamines or isophoronediamine.
RG 66	Occupational rhinitis and asthma.

#### Germany

Employment restrictions: Observe restrictions according Act on the Protection of Working Mothers

(MuSchG).

Observe restrictions according Act on the Protection of Young People in

Employment (JArbSchG).

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Water hazard class (WGK): WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

List of sensitizing substances (TRGS 907): Contains sensitizing substances according TRGS 907.

Hazardous Incident Ordinance (12. BImSchV): Is not subject of the Hazardous Incident Ordinance (12. BImSchV).

Netherlands

SZW-lijst van kankerverwekkende stoffen:

None of the components are listed.

SZW-lijst van mutagene stoffen:

None of the components are listed.

SZW-lijst van reprotoxische stoffen – Borstvoeding:

None of the components are listed.

None of the components are listed.

Vruchtbaarheid:

SZW-lijst van reprotoxische stoffen - Ontwikkeling: None of the components are listed.

Denmark

Classification remarks Emergency management guidelines for the storage of flammable liquids must be

followed.

Danish National Regulations: Young people below the age of 18 years are not allowed to use the product.

Switzerland

Storage class (LK): LK 8 - Corrosive materials.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## **SECTION 16: Other information**

Data sources: 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.

Other information: None.

Full text of H- and EUH- statements:		
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1.	

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Eye Irrit. 2	Serious eye damage/eye irritation, Category 2.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
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.
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B Skin Sens.
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not, therefore, be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage caused to the buyer, applicator or any third party as a result of using our product. Such buyers, applicators and end users assume all risks associated with the use of our product.