

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Revision date: 12/21/2022 Supersedes version of: 7/20/2018 Version: 3.0

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

#### 1.1. Product identifier

Product form : Mixture

Product name : Porcelain Etchant(9.5%HF)

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : For Rx Only

#### 1.2.2. Uses advised against

No additional information available

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

ManufacturerEC REPBISCO, Inc.BISICO France

1100 W. Irving Park Rd.208, allée de la CoudouletteSchaumburg, IL 6019313680 Lançon de ProvenceU.S.A.France

T 1-800-247-3368 or 1-847-534-6000 T 33-4-90-42-92-92

www.bisco.com

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC - 24-Hour Hazmat Emergency Communications Center

Domestic: 1-800-424-9300 Outside the U.S.: 1-703-527-3887, collect calls accepted

## **SECTION 2: Hazards identification**

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

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

Acute toxicity (dermal), Category 1 H310
Acute toxicity (inhalation:vapour) Category 3 H331
Skin corrosion/irritation, Category 1 H314

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

#### Adverse physicochemical, human health and environmental effects

Fatal in contact with skin. Toxic if inhaled. Causes severe skin burns and eye damage.

## 2.2. Label elements

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

Hazard pictograms (CLP)





GHS05 GHS06

Signal word (CLP) : Danger

Contains : Hydrofluoric Acid

Hazard statements (CLP) : H310 - Fatal in contact with skin.

H314 - Causes severe skin burns and eye damage.

H331 - Toxic if inhaled.

Precautionary statements (CLP) : P260 - Do not breathe fume/mist/vapours.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Rinse skin with water of shower.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER, a doctor.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P501 - Dispose of contents and container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste, 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                     |                                                                                                                                                                              |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hydrofluoric Acid (7664-39-3) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Sodium Fluoride (7681-49-4)   | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

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]                           |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------|
| Hydrofluoric Acid<br>substance with a Community workplace<br>exposure limit | CAS-No.: 7664-39-3<br>EC-No.: 231-634-8<br>EC Index-No.: 009-003-00-1 | 10 - 30 | Skin Corr. 1, H314                                                                        |
| Sodium Fluoride<br>substance with a Community workplace<br>exposure limit   | CAS-No.: 7681-49-4<br>EC-No.: 231-667-8<br>EC Index-No.: 009-004-00-7 | < 1     | Acute Tox. 3 (Oral), H301<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT RE 1, H372 |

| Specific concentration limits: |                    |                                                                                                          |
|--------------------------------|--------------------|----------------------------------------------------------------------------------------------------------|
| Name                           | Product identifier | Specific concentration limits                                                                            |
| Hydrofluoric Acid              | EC-No.: 231-634-8  | ( 0.1 ≤C < 1) Eye Irrit. 2, H319<br>( 1 ≤C < 7) Skin Corr. 1B, H314<br>( 7 ≤C < 100) Skin Corr. 1A, H314 |

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

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

#### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

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

doctor/medical service.

First-aid measures after skin contact : Take off immediately all contaminated clothing. Call a physician immediately. Rinse skin

with water/shower.

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

to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Call a physician immediately. Do not induce vomiting.

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

Symptoms/effects after skin contact : Burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

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

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

#### **SECTION 6: Accidental release measures**

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

## 6.1.1. For non-emergency personnel

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Do not

breathe fume/mist/vapours.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent soil and water pollution.

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

Methods for cleaning up : Take up liquid spill into absorbent material. Absorb spillage to prevent material damage.

Other information : Dispose of materials or solid residues at an authorized site.

## 6.4. Reference to other sections

For further information refer to section 13.

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#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Wear personal protective equipment. Do not

breathe fume/mist/vapours.

Handling temperature : 20 - 25 °C

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this

product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Storage temperature : 20 - 25 °C

#### 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

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):







#### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

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#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

: Liquid Physical state Colour : Yellow. Appearance : Gel. Odour : Odourless. Odour threshold : Not available Melting point : Not available : Not available Freezing point : Not available Boiling point Flammability : Not applicable : Not available **Explosive limits** : Not available Lower explosion limit : Not available Upper explosion limit : Not available Flash point Auto-ignition temperature : Not available Decomposition temperature : Not available

pH : ≈ 0

Viscosity, kinematic : Not available
Solubility : Not available
Partition coefficient n-octanol/water (Log Kow) : Not available
Vapour pressure : Not available
Vapour pressure at 50°C : Not available
Density : Not available
Relative density : > 1

Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

### 9.2. Other information

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

No additional information available

## 9.2.2. Other safety characteristics

No additional information available

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

## 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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## 10.4. Conditions to avoid

Finely divided metals.

## 10.5. Incompatible materials

Metals.

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

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

Acute toxicity (oral) : Toxic if swallowed. Acute toxicity (dermal) : Fatal in contact with skin. Acute toxicity (inhalation) : Toxic if inhaled.

| orcelain Etchant(9.5%HF)                              |                                                                                                                |  |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--|
| LD50 oral rat                                         | > 2000                                                                                                         |  |
| ATE CLP (dermal)                                      | 25.786 mg/kg bodyweight                                                                                        |  |
| ATE CLP (vapours)                                     | 2.579 mg/l/4h                                                                                                  |  |
| Hydrofluoric Acid (7664-39-3)                         |                                                                                                                |  |
| LD50 dermal rabbit                                    | ≤ 50 mg/kg Source: ECHA                                                                                        |  |
| Sodium Fluoride (7681-49-4)                           |                                                                                                                |  |
| LD50 oral rat                                         | 223 mg/kg bodyweight (EPA OPPTS 870.1100: Acute Oral Toxicity, Rat, Male, Experimental value, Oral, 14 day(s)) |  |
| LD50 dermal rat                                       | > 2000 mg/kg Source: ECHA                                                                                      |  |
| Skin corrosion/irritation : Causes severe skin burns. |                                                                                                                |  |

| Skin corrosion/irritation | : Causes severe skin burns. |
|---------------------------|-----------------------------|
|                           |                             |

pH: ≈ 0

| pH <1 |     |
|-------|-----|
|       |     |
| рН    | 7.4 |

Serious eye damage/irritation : Assumed to cause serious eye damage

|                               | pH: ≈ 0 | • |  |
|-------------------------------|---------|---|--|
| Hydrofluoric Acid (7664-39-3) |         |   |  |

## < 1 Sodium Fluoride (7681-49-4)

| pH | 7.4 |  |  |
|----|-----|--|--|

: Not classified Respiratory or skin sensitisation Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

Hydrofluoric Acid (7664-39-3)

IARC group 3 - Not classifiable

Reproductive toxicity : Not classified : Not classified STOT-single exposure STOT-repeated exposure : Not classified

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| Sodium Fluoride (7681-49-4) |                                                                 |
|-----------------------------|-----------------------------------------------------------------|
| LOAEL (oral, rat, 90 days)  | ≈ 4 mg/kg bodyweight Animal: rat, Guideline: other:             |
| NOAEL (oral, rat, 90 days)  | ≈ 25 mg/kg bodyweight Animal: rat, Guideline: other:            |
| STOT-repeated exposure      | Causes damage to organs through prolonged or repeated exposure. |
| Aspiration hazard           | : Not classified                                                |

| Sodium Fluoride (7681-49-4) |                      |            |
|-----------------------------|----------------------|------------|
|                             | Viscosity, kinematic | 0.38 mm²/s |

## 11.2. Information on other hazards

No additional information available

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Hazardous to the aquatic environment, short-term : Not classified

(acute)

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

| ,                             |                                                                                                           |  |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--|
| Hydrofluoric Acid (7664-39-3) | fluoric Acid (7664-39-3)                                                                                  |  |
| LC50 - Fish [1]               | 51 mg/l Test organisms (species): other:                                                                  |  |
| LC50 - Fish [2]               | 165 mg/l Test organisms (species): other:                                                                 |  |
| EC50 72h - Algae [1]          | 43 - 122 mg/l Source: ECHA                                                                                |  |
| NOEC (chronic)                | 14.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                        |  |
| NOEC chronic fish             | 4 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)<br>Duration: '21 d' |  |
| Sodium Fluoride (7681-49-4)   |                                                                                                           |  |
| LC50 - Fish [1]               | 38 - 68 mg/l Source: NCIS; Toxic Substances Information Report                                            |  |
| LC50 - Fish [2]               | 165 mg/l Test organisms (species): other:                                                                 |  |
| EC50 - Crustacea [1]          | 97 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value, Fluorine ion)               |  |
| EC50 72h - Algae [1]          | 850 mg/l Source: NCIS; Toxic Substances Information Report                                                |  |
| EC50 96h - Algae [1]          | 43 mg/l (Scenedesmus sp., Static system, Experimental value, Fluorine ion)                                |  |
| NOEC (chronic)                | 14.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                        |  |
| NOEC chronic fish             | 4 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)<br>Duration: '21 d' |  |

## 12.2. Persistence and degradability

| Hydrofluoric Acid (7664-39-3) |                                   |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD)  | Not applicable                    |
| ThOD                          | Not applicable                    |
| BOD (% of ThOD)               | Not applicable                    |

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| Sodium Fluoride (7681-49-4)                             |                                   |
|---------------------------------------------------------|-----------------------------------|
| Persistence and degradability                           | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) Not applicable (inorganic) |                                   |
| ThOD                                                    | Not applicable (inorganic)        |

## 12.3. Bioaccumulative potential

| Hydrofluoric Acid (7664-39-3)                                           |                                                               |  |
|-------------------------------------------------------------------------|---------------------------------------------------------------|--|
| Partition coefficient n-octanol/water (Log Pow) -0.9 (Calculated)       |                                                               |  |
| Bioaccumulative potential                                               | Not bioaccumulative.                                          |  |
| Sodium Fluoride (7681-49-4)                                             |                                                               |  |
| BCF - Fish [1]                                                          | 53 - 58 (Pisces, Fresh water, Literature study, Fresh weight) |  |
| Partition coefficient n-octanol/water (Log Pow)                         | -0.77 Source: EPISUITE                                        |  |
| ioaccumulative potential Low potential for bioaccumulation (BCF < 500). |                                                               |  |

#### 12.4. Mobility in soil

| Hydrofluoric Acid (7664-39-3)                                           |  |
|-------------------------------------------------------------------------|--|
| Ecology - soil No (test)data on mobility of the component(s) available. |  |
| Sodium Fluoride (7681-49-4)                                             |  |
| Ecology - soil Adsorbs into the soil. Toxic to flora.                   |  |

### 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

No additional information available

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## **SECTION 14: Transport information**

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

## 14.1. UN number or ID number

 UN-No. (ADR)
 : UN 1790

 UN-No. (IMDG)
 : Not regulated

 UN-No. (IATA)
 : UN 1790

 UN-No. (ADN)
 : Not regulated

 UN-No. (RID)
 : Not regulated

## 14.2. UN proper shipping name

Proper Shipping Name (ADR) : HYDROFLUORIC ACID

Proper Shipping Name (IMDG) : Not regulated

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Proper Shipping Name (IATA) : Hydrofluoric acid
Proper Shipping Name (ADN) : Not regulated
Proper Shipping Name (RID) : Not regulated

Transport document description (ADR) : UN 1790 HYDROFLUORIC ACID, 8 (6.1), II, (E)

Transport document description (IATA) : UN 1790 Hydrofluoric acid, 8 (6.1), II

## 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 8 (6.1)
Danger labels (ADR) : 8, 6.1

.





#### **IMDG**

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

#### IATA

Transport hazard class(es) (IATA) : 8 (6.1)
Danger labels (IATA) : 8, 6.1



## 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) : Not regulated

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

## 14.6. Special precautions for user

## Overland transport

Classification code (ADR) : CT1
Limited quantities (ADR) : 11
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001, IBC02
Mixed packing provisions (ADR) : MP15
Portable tank and bulk container instructions (ADR) : T8
Portable tank and bulk container special provisions : TP2

(ADR)

Tank code (ADR) : L4DH
Tank special provisions (ADR) : TU14, TE21
Vehicle for tank carriage : AT
Transport category (ADR) : 2

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Special provisions for carriage - Loading, unloading : CV13, CV28

and handling (ADR)

Hazard identification number (Kemler No.) : 86

Orange plates

86 1790

Tunnel restriction code (ADR)

#### Transport by sea

Not regulated

#### Air transport

PCA Excepted quantities (IATA) : E2 PCA Limited quantities (IATA) : Y840 PCA limited quantity max net quantity (IATA) : 0.5L PCA packing instructions (IATA) : 851 PCA max net quantity (IATA) : 1L CAO packing instructions (IATA) : 855 CAO max net quantity (IATA) : 30L ERG code (IATA) : 8P

#### 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(s) listed 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)

#### **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)

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## 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

| Indication of changes |                                                                    |          |          |  |
|-----------------------|--------------------------------------------------------------------|----------|----------|--|
| Section               | Changed item                                                       | Change   | Comments |  |
|                       | Supersedes version of                                              | Added    |          |  |
|                       | Issue date                                                         | Removed  |          |  |
|                       | Revision date                                                      | Added    |          |  |
| 2.1                   | Classification according to Regulation (EC)<br>No. 1272/2008 [CLP] | Modified |          |  |
| 2.2                   | Precautionary statements (CLP)                                     | Modified |          |  |
| 3                     | Composition/information on ingredients                             | Modified |          |  |
| 7.1                   | Precautions for safe handling                                      | Modified |          |  |
| 7.2                   | Storage conditions                                                 | Modified |          |  |
| 10.5                  | Incompatible materials                                             | Modified |          |  |
| 11.1                  | ATE CLP (vapours)                                                  | Modified |          |  |
| 11.1                  | ATE CLP (dermal)                                                   | Modified |          |  |

| Full text of H- and EUH-statements: |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3                               |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                   |
| H301                                | Toxic if swallowed.                                             |
| H310                                | Fatal in contact with skin.                                     |
| H314                                | Causes severe skin burns and eye damage.                        |
| H315                                | Causes skin irritation.                                         |
| H319                                | Causes serious eye irritation.                                  |
| H331                                | Toxic if inhaled.                                               |
| H372                                | Causes damage to organs through prolonged or repeated exposure. |
| Skin Corr. 1                        | Skin corrosion/irritation, Category 1                           |
| Skin Corr. 1A                       | Skin corrosion/irritation, Category 1, Sub-Category 1A          |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B          |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                           |
| STOT RE 1                           | Specific target organ toxicity - Repeated exposure, Category 1  |

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.