

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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

### 1.1 Product identifier

Trade name : Acrylonitrile (stabilized with MEHQ)  
 Product code : A0146  
 Index-No. : 608-003-00-4  
 EC-No. : 203-466-5

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

Use of the Substance/Mixture : Use as laboratory reagent

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

Company : TCI EUROPE N.V.  
 Address : Boereveldseweg 6 - Haven 1063, B-2070 Zwijndrecht, Belgium  
 Telephone : +32 (0)3 735 07 00  
 Telefax : +32 (0)3 735 07 01  
 E-mail address of person responsible for the SDS : sales-eu@tcichemicals.com

### 1.4 Emergency telephone number

Emergency telephone number : +44 844 892 0111

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
Acute toxicity, Category 3	H301: Toxic if swallowed.
Acute toxicity, Category 2	H330: Fatal if inhaled.
Acute toxicity, Category 2	H310: Fatal in contact with skin.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Germ cell mutagenicity, Category 2	H341: Suspected of causing genetic defects.
Carcinogenicity, Category 1B	H350: May cause cancer.
Reproductive toxicity, Category 2	H361: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity - single exposure, Category 1, Liver, Nervous system	H370: Causes damage to organs.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 1, Liver, Blood, Respiratory system, Nervous system, Kidney, Testes	H372: Causes damage to organs through prolonged or repeated exposure.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word :

Danger

Hazard statements :

H225 Highly flammable liquid and vapour.  
 H301 Toxic if swallowed.  
 H310 + H330 Fatal in contact with skin or if inhaled.

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H335 May cause respiratory irritation.  
 H341 Suspected of causing genetic defects.  
 H350 May cause cancer.  
 H361 Suspected of damaging fertility or the unborn child.  
 H370 Causes damage to organs (Liver, Nervous system).  
 H372 Causes damage to organs (Liver, Blood, Respiratory system, Nervous system, Kidney, Testes) through prolonged or repeated exposure.  
 H411 Toxic to aquatic life with long lasting effects.

## Precautionary statements

: **Prevention:**

P201 Obtain special instructions before use.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
 P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
 P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
 P391 Collect spillage.

**Storage:**

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

**Additional Labelling**

Restricted to professional users.

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Substance name : Acrylonitrile (stabilized with MEHQ)  
 Index-No. : 608-003-00-4  
 EC-No. : 203-466-5

**Components**

Chemical name	CAS RN EC-No.	Concentration (% w/w)	M-Factor, SCL, ATE
Acrylonitrile	107-13-1 203-466-5	>= 90 - <= 100	

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- If inhaled : Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
- In case of skin contact : Take off all contaminated clothing immediately. If on skin, rinse well with water. Call a POISON CENTER or doctor/ physician.
- In case of eye contact : Rinse with plenty of water. If easy to do, remove contact lens, if worn. Immediately call a POISON CENTER or doctor/ physician.
- If swallowed : Immediately call a POISON CENTER or doctor/ physician. Rinse mouth.

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

None known.

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

None known.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Dry powder, Foam, Water spray, Carbon dioxide (CO<sub>2</sub>)

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

- Specific hazards during fire-fighting : No information available.

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Use personal protective equipment.
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Immediately evacuate personnel to safe areas. Cool closed containers exposed to fire with water spray. Remove undamaged containers from fire area if it is safe to do so.

## SECTION 6: Accidental release measures

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

- Personal precautions : Wear suitable protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

### 6.2 Environmental precautions

- Environmental precautions : Should not be released into the environment.

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

- Methods for cleaning up : Collect as much of the spill as possible with a suitable absorbent material.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Technical measures : Prevent generation of vapour or mist.  
Take precautionary measures against static discharge.  
Use explosion-proof equipment.
- Local/Total ventilation : Ensure adequate ventilation.  
Handle product only in closed system or provide appropriate exhaust ventilation at machinery.  
Use a local exhaust ventilation.
- Advice on safe handling : Avoid contact with skin, eyes and clothing.  
Wear personal protective equipment.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not subject to grinding, shock or friction.  
Wash hands and face thoroughly after handling.

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

- Requirements for storage areas and containers : Keep container tightly closed. Store in a cool and shaded area. Keep in a well-ventilated place. Use explosion-proof equipment. Store locked up. Avoid exposure to light.
- Storage class (TRGS 510) : 3

### 7.3 Specific end use(s)

- Specific use(s) : No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS RN	Value type (Form of exposure)	Control parameters	Basis
Acrylonitrile	107-13-1	Acceptable concentration	0,12 ppm 0,26 mg/m <sup>3</sup>	DE TRGS 910
		Further information: Skin-resorptive		
		Tolerable concentration	1,2 ppm 2,6 mg/m <sup>3</sup>	DE TRGS 910
		Peak-limit: excursion factor (category): 8 - Excursion factor according to Number 3.2.6		
		Further information: Skin-resorptive		
		TWA	0,45 ppm 1 mg/m <sup>3</sup>	2004/37/EC
		Further information: Dermal sensitisation, Skin, Carcinogens or mutagens		
		STEL	1,8 ppm 4 mg/m <sup>3</sup>	2004/37/EC
		Further information: Dermal sensitisation, Skin, Carcinogens or mutagens		

### 8.2 Exposure controls

#### Engineering measures

Install a closed system or local exhaust.  
Also install safety shower and eye bath.

#### Personal protective equipment

- Eye/face protection : Safety glasses, Safety goggles, Face-shield
- Hand protection : Impervious gloves
- Skin and body protection : Impervious protective clothing
- Respiratory protection : Gas mask  
Self-contained breathing apparatus

\*Use personal protective equipment(PPE) approved under appropriate government standards and follow local and national regulations.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Colour	:	colourless
Odour	:	No data available
Odour Threshold	:	17 ppm
Melting point/freezing point	:	-84 °C
Boiling point/boiling range	:	79 °C
Flammability	:	No data available
Upper explosion limit / Upper flammability limit	:	17 %(V)
Lower explosion limit / Lower flammability limit	:	3 %(V)
Flash point	:	-6 °C
Auto-ignition temperature	:	481 °C
Decomposition temperature	:	No data available
pH	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Solubility(ies)		
Water solubility	:	70 g/l (20 °C) soluble
Solubility in other solvents	:	Solvent: Ether soluble
		Solvent: Alcohol soluble
		Solvent: Benzene soluble
		Solvent: Acetone soluble
Partition coefficient: n-octanol/water	:	0,25
Vapour pressure	:	13,3 kPa (23 °C)
Relative density	:	0,81
Relative vapour density	:	1,8
Particle characteristics	:	No data available

### 9.2 Other information

Refractive index	:	1,39
Molecular weight	:	53,06 g/mol

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Polymerization may occur under the influences of heat, light or on contact with polymerization initiators such as peroxides etc.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : None under normal processing.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, Electrical spark, Open flame, Electrostatic discharge, Exposure to light.

### 10.5 Incompatible materials

Materials to avoid : Bases,  
Acids,  
Oxidizing agents,  
Copper,  
Copper alloys,

### 10.6 Hazardous decomposition products

Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>)

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## SECTION 11: Toxicological information

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

#### Acute toxicity

##### Product:

Acute oral toxicity : Assessment: The component/mixture is toxic after single ingestion.

Acute inhalation toxicity : Assessment: The component/mixture is highly toxic after short term inhalation.

Acute dermal toxicity : Assessment: The component/mixture is highly toxic after single contact with skin.

##### Components:

##### **Acrylonitrile:**

Acute oral toxicity : LD50 (Rat): 78 mg/kg  
Assessment: The component/mixture is toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat): 425 ppm  
Exposure time: 4 h  
Test atmosphere: gas  
Assessment: The component/mixture is highly toxic after short term inhalation.

Acute dermal toxicity : LD50 (Rat): 148 mg/kg  
Assessment: The component/mixture is highly toxic after single contact with skin.

#### Skin corrosion/irritation

##### Product:

Result : Skin irritation

##### Components:

##### **Acrylonitrile:**

Result : Skin irritation

#### Serious eye damage/eye irritation

##### Product:

Result : Irreversible effects on the eye

##### Components:

##### **Acrylonitrile:**

Result : Irreversible effects on the eye

**Respiratory or skin sensitisation****Product:**

Assessment : May cause sensitisation by skin contact.

**Components:****Acrylonitrile:**

Assessment : May cause sensitisation by skin contact.

**Germ cell mutagenicity****Product:**

Germ cell mutagenicity- Assessment : Suspected of inducing heritable mutations in the germ cells of humans.

**Components:****Acrylonitrile:**

Germ cell mutagenicity- Assessment : Suspected of inducing heritable mutations in the germ cells of humans.

**Carcinogenicity****Product:**

Carcinogenicity - Assessment : Presumed to have carcinogenic potential for humans

**Components:****Acrylonitrile:**

Carcinogenicity - Assessment : Presumed to have carcinogenic potential for humans

**Reproductive toxicity****Product:**

Reproductive toxicity - Assessment : Suspected human reproductive toxicant

**Components:****Acrylonitrile:**

Reproductive toxicity - Assessment : Suspected human reproductive toxicant

**STOT - single exposure****Product:**

Assessment : May cause respiratory irritation.

Target Organs : Liver, Nervous system  
Assessment : Causes damage to organs.

**Components:****Acrylonitrile:**

Assessment : May cause respiratory irritation.

Target Organs : Liver, Nervous system  
Assessment : Causes damage to organs.

**STOT - repeated exposure****Product:**

Target Organs : Liver, Blood, Respiratory system, Nervous system, Kidney, Testes  
Assessment : Causes damage to organs through prolonged or repeated exposure.

**Components:****Acrylonitrile:**

Target Organs : Liver, Blood, Respiratory system, Nervous system, Kidney, Testes  
Assessment : Causes damage to organs through prolonged or repeated exposure.

**Repeated dose toxicity** : No information available.

**Aspiration hazard** : No information available.

**RTECS No.** : AT5250000 (Acrylonitrile)

**11.2 Information on other hazards****Endocrine disrupting properties****Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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**SECTION 12: Ecological information****12.1 Toxicity****Product:****Ecotoxicology Assessment**

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

**Components:****Acrylonitrile:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 11800 µg/l  
Exposure time: 96 h

**Ecotoxicology Assessment**

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential****Components:****Acrylonitrile:**

Partition coefficient: n-octanol/water : 0,25



**12.4 Mobility in soil****Components:****Acrylonitrile:**

Distribution among environmental compartments : Koc: 33

**12.5 Results of PBT and vPvB assessment****Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Endocrine disrupting properties****Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effects**

No data available

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Product : Disposal in accordance with local and national regulations.  
Take precautions against ignition or explode.  
Entrust disposal to a licensed waste disposal company.

Contaminated packaging : Disposal in accordance with local and national regulations.  
Before disposal of used container, remove contents completely.

**SECTION 14: Transport information****14.1 UN number or ID number**

ADR : UN 1093

IMDG : UN 1093

IATA (Cargo) : UN 1093

IATA (Passenger) : UN 1093  
Not permitted for transport

**14.2 UN proper shipping name**

ADR : ACRYLONITRILE, STABILIZED

IMDG : ACRYLONITRILE, STABILIZED

IATA (Cargo) : Acrylonitrile, stabilized

IATA (Passenger) : Acrylonitrile, stabilized  
Not permitted for transport

**14.3 Transport hazard class(es)**

	Class	Subsidiary risks
ADR	: 3	6.1
IMDG	: 3	6.1
IATA (Cargo)	: 3	6.1

**IATA (Passenger)** : Not permitted for transport

#### 14.4 Packing group

##### ADR

Packing group : I  
 Classification Code : FT1  
 Hazard Identification Number : 336  
 Tunnel restriction code : (C/E)

##### IMDG

Packing group : I  
 EmS Code : F-E, S-D

##### IATA (Cargo)

Packing instruction (cargo aircraft) : 361  
 Packing group : I

**IATA (Passenger)** : Not permitted for transport

#### 14.5 Environmental hazards

##### ADR

Environmentally hazardous : no

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
 Number on list 40, 3

Acrylonitrile (Number on list 28)

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Water hazard class (Germany) : WGK 3 highly hazardous to water  
 Classification according to AwSV, Annex 1 (5.2)

#### Other regulations:

The product is subject to the supply restrictions of the Ordinance on the Prohibition of Chemicals.

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

**The components of this product are reported in the following inventories:**

CH BAGREG	:	On the inventory, or in compliance with the inventory
TSCA	:	All substances listed as active on the TSCA inventory
AICS	:	On the inventory, or in compliance with the inventory
DSL	:	All components of this product are on the Canadian DSL
ENCS	:	On the inventory, or in compliance with the inventory
ISHL	:	On the inventory, or in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
NZIoC	:	Not in compliance with the inventory

## 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

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## SECTION 16: Other information

### Full text of other abbreviations

2004/37/EC	:	Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
DE TRGS 910	:	Germany. TRGS 910 - Substance-specific acceptable and tolerable concentrations and equivalence values for carcinogenic hazardous substances.
2004/37/EC / STEL	:	Short term exposure limit
2004/37/EC / TWA	:	Long term exposure limit
DE TRGS 910 / Acceptable concentration	:	Acceptable concentration
DE TRGS 910 / Tolerable concentration	:	Tolerable concentration

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-

operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### **Further information**

This SDS was prepared sincerely based on the information obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling operations, sufficient care should be taken, in addition to the safety measures suitable for the given situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

DE / 6N