

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 25-01-2023 Version: 1.0

SECTION 1: Identification of the subst	ance/mixture and of the company/undertaking	
1.1. Product identifier		
Product form Trade name Product code Type of product	<ul> <li>Mixture</li> <li>MULTI ELEMENT STANDARD SOLUTION FOR ICP 10 COMPONENTS; 10 mg/l each of Ag; Al; As; B; Ba; Bi; Ca; Cd; Na; K in 5% HNO3</li> <li>I168N</li> <li>Solution</li> </ul>	
1.2. Relevant identified uses of the substat		
<b>1.2.1. Relevant identified uses</b> Use of the substance/mixture	: Laboratory chemicals	
1.2.2. Uses advised against No additional information available		
1.3. Details of the supplier of the safety da	ta sheet	
LOBA CHEMIE PVT.LTD. 107 Wode House Road, Jehangir Villa, Colaba 400005 Mumbai INDIA T +91 22 6663 6663 - F +91 22 6663 6699 info@lobachemie.com - www.lobachemie.com		
1.4. Emergency telephone number		
Emergency number	: + 91 22 6663 6663 (9:00am - 6:00 pm)	
SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP]		
Skin corrosion/irritation, Category 1, Sub-Category 1BH314Full text of H- and EUH-statements: see section 16		
Adverse physicochemical, human health and en	vironmental effects	
Causes severe skin burns and eye damage.		
2.2. Label elements		
Labelling according to Regulation (EC) No. 1272/2008 [CLP]		
Hazard pictograms (CLP)	GHS05	
Signal word (CLP) Hazard statements (CLP) Precautionary statements (CLP)	<ul> <li>Danger</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>P260 - Do not breathe dust/fume/gas/mist/vapours/spray.</li> <li>P264 - Wash hands, forearms and face thoroughly after handling.</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.</li> <li>P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li> </ul>	

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

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 or doctor.
- P321 Specific treatment (see supplemental first aid instruction on this label).
- P405 Store locked up.

P501 - Dispose of contents/container 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

### **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]
NITRIC ACID 69%	CAS-No.: 7697-37-2 EC-No.: 231-714-2 EC Index-No.: 007-004-00-1	2	Ox. Liq. 3, H272 Skin Corr. 1, H314

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	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	<ul> <li>Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.</li> </ul>
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. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and eff	ects, both acute and delayed
Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	: Burns. : Serious damage to eyes. : Burns.

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

Treat symptomatically.

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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		
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.	
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.		

6.3. Methods and material for containment and cleaning up	
Methods for cleaning up Other information	<ul><li>Take up liquid spill into absorbent material.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul>
6.4. Reference to other sections	

For further information refer to section 13.

SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling Hygiene measures	<ul> <li>Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.</li> <li>Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>		
7.2. Conditions for safe storage, inclu			
Storage conditions	: Store locked up. Store in a well-ventilated place. Keep cool.		
7.3. Specific end use(s)			

No additional information available

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 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:** Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

Hand protection: 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

**Environmental exposure controls:** Avoid release to the environment.

SECTION 9: Physical and chemical properties		
9.1. Infor	nation on basic physical and chemical properties	

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.018 g/cm³ at 20°C
Solubility	: Water: Miscible
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

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.

**10.4. Conditions to avoid** 

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

**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 toxicologica	leffects	
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	
Skin corrosion/irritation	: Causes severe skin burns.	

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

NITRIC ACID 69% (7697-37-2)	
рН	< 1 at 20°C
Serious eye damage/irritation	: Assumed to cause serious eye damage
NITRIC ACID 69% (7697-37-2)	
рН	< 1 at 20°C
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general Hazardous to the aquatic environment, short–term (acute) Hazardous to the aquatic environment, long–term (chronic)	<ul> <li>Before neutralisation, the product may represent a danger to aquatic organisms.</li> <li>Not classified</li> <li>Not classified</li> </ul>
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
NITRIC ACID 69% (7697-37-2)	
Partition coefficient n-octanol/water (Log Pow)	-2.3 (OECD 107: Shake Flask Method)
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
	Disease of sentences (sentences is second ones with liseased collectory) senting instances

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

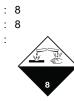
## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.1 UN number	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	<ul> <li>: UN 3264</li> </ul>
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) Transport document description (ADR)	<ul> <li>CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.</li> <li>UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (MULTI ELEMENT STANDARD SOLUTION FOR ICP 10 COMPONENTS, 10 mg/L), 8, II, (E)</li> </ul>
Transport document description (IMDG) Transport document description (IATA)	<ul> <li>: UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., 8, II</li> <li>: UN 3264 Corrosive liquid, acidic, inorganic, n.o.s. (MULTI ELEMENT STANDARD SOLUTION FOR ICP 10 COMPONENTS, 10 mg/L), 8, II</li> </ul>
Transport document description (ADN) Transport document description (RID)	: UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., 8, II : UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., 8, II
14.3. Transport hazard class(es)	

### ADR

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



: 8

:

### IMDG

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

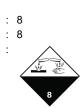
### ΙΑΤΑ

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

ADN Transport hazard class(es) (ADN) Danger labels (ADN)







## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

	_
DI	n
<b>R</b> 1	L
	_

Transport hazard class(es) (RID) Danger labels (RID)



14.4. Packing group	
Packing group (ADR) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	: II : II : II : II
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant Other information	: No : No : No supplementary information available
14.6. Special precautions for user	
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR) Portable tank and bulk container special provisions (ADR) Tank code (ADR) Tank special provisions (ADR) Vehicle for tank carriage Transport category (ADR) Hazard identification number (Kemler No.) Orange plates	$ \begin{array}{c} : C1 \\ : 274 \\ : 11 \\ : E2 \\ : P001, IBC02 \\ : MP15 \\ : T11 \\ : TP2, TP27 \\ \end{array} \\ \begin{array}{c} : L4BN \\ : TU42 \\ : AT \\ : 2 \\ : 80 \\ \hline \hline \hline 80 \\ \hline \hline 80 \\ \hline \hline 3264 \\ \end{array} $
Tunnel restriction code (ADR) EAC code	: E : 2X
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG)	: 274 : 1L : E2 : P001 : IBC02 : T11 : TP2, TP27 : F-A : S-B : B : SW2

Segregation (IMDG)

: SGG1, SG36, SG49

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA)	: E2 : Y840 : 0.5L : 851 : 1L : 855 : 30L : A3, A803 : 8L
PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA)	: Y840 : 0.5L : 851 : 1L : 855 : 30L : A3, A803
PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA)	: 0.5L : 851 : 1L : 855 : 30L : A3, A803
PCA packing instructions (IATA) PCA max net quantity (IATA)	: 851 : 1L : 855 : 30L : A3, A803
PCA max net quantity (IATA)	: 1L : 855 : 30L : A3, A803
	: 855 : 30L : A3, A803
CAO packing instructions (IATA)	: 30L : A3, A803
	: A3, A803
CAO max net quantity (IATA)	
Special provisions (IATA)	· 81
ERG code (IATA)	
Inland waterway transport	
Classification code (ADN)	: C1
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 1L
Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: C1
Special provisions (RID)	: 274
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02
Mixed packing provisions (RID)	: MP15
Portable tank and bulk container instructions (RID)	: T11
Portable tank and bulk container special provisions (RID)	: TP2, TP27
Tank codes for RID tanks (RID)	: L4BN
Special provisions for RID tanks (RID)	: TU42
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE6
Hazard identification number (RID)	: 80

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

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 REACH substances with Annex XVII restrictions

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

Contains no REACH Annex XIV substances

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

Contains no substance on the REACH candidate list

### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

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

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 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 drug precursors)

### 15.1.2. National regulations

#### Germany

Employment restrictions Water hazard class (WGK) Hazardous Incident Ordinance (12. BImSchV)	<ul> <li>Observe restrictions according Act on the Protection of Working Mothers (MuSchG).</li> <li>Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).</li> <li>WGK nwg, Non-hazardous to water (Classification according to AwSV, Annex 1).</li> <li>Is not subject of the Hazardous Incident Ordinance (12. BImSchV)</li> </ul>
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
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed
Denmark	
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**

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

EC-No.European Community numberEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Agency for Research on CancerIATAInternational Agency for Research on CancerIATAInternational Air Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service number	Abbreviations and acronyms:	
ENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Air Transport AssociationIMDGInternational Air Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECSafety Data SheetSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	EC-No.	European Community number
IARCInternational Agency for Research on CancerIATAInternational Air Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	EC50	Median effective concentration
IATAInternational Air Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	EN	European Standard
IMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Adverse Effect LevelOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCValatle Organic Compounds	IARC	International Agency for Research on Cancer
LC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	ΙΑΤΑ	International Air Transport Association
LD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	IMDG	International Maritime Dangerous Goods
LOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	LC50	Median lethal concentration
NOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	LD50	Median lethal dose
NOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	LOAEL	Lowest Observed Adverse Effect Level
NOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	NOAEC	No-Observed Adverse Effect Concentration
OECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	NOAEL	No-Observed Adverse Effect Level
OELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	NOEC	No-Observed Effect Concentration
PBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	OECD	Organisation for Economic Co-operation and Development
PNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	OEL	Occupational Exposure Limit
RIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic Compounds	РВТ	Persistent Bioaccumulative Toxic
SDS       Safety Data Sheet         STP       Sewage treatment plant         ThOD       Theoretical oxygen demand (ThOD)         TLM       Median Tolerance Limit         VOC       Volatile Organic Compounds	PNEC	Predicted No-Effect Concentration
STP     Sewage treatment plant       ThOD     Theoretical oxygen demand (ThOD)       TLM     Median Tolerance Limit       VOC     Volatile Organic Compounds	RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
ThOD     Theoretical oxygen demand (ThOD)       TLM     Median Tolerance Limit       VOC     Volatile Organic Compounds	SDS	Safety Data Sheet
TLM     Median Tolerance Limit       VOC     Volatile Organic Compounds	STP	Sewage treatment plant
VOC Volatile Organic Compounds	ThOD	Theoretical oxygen demand (ThOD)
	TLM	Median Tolerance Limit
CAS-No. Chemical Abstract Service number	VOC	Volatile Organic Compounds
	CAS-No.	Chemical Abstract Service number
N.O.S. Not Otherwise Specified	N.O.S.	Not Otherwise Specified
vPvB Very Persistent and Very Bioaccumulative	vPvB	Very Persistent and Very Bioaccumulative
ED Endocrine disrupting properties	ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
H272	May intensify fire; oxidiser.
H314	Causes severe skin burns and eye damage.
Ox. Liq. 3	Oxidising Liquids, Category 3
Skin Corr. 1	Skin corrosion/irritation, 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.