

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 12/28/2023 Revision date: 12/28/2023 Supersedes version of: 5/24/2019 Version: 1.0

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

1.1. Product identifier

Product form	: Substance
Trade name	: BENZENE GC
EC Index-No.	: 601-020-00-8
EC-No.	: 200-753-7
CAS-No.	: 71-43-2
Product code	: 0040A
Type of product	: Hydrocarbons, aromatic
Formula	: C6H6
Chemical structure	:



Synonyms

: Benzol, Cyclohexa-1,3,5-triene, 1,3,5-Cyclohexatriene

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

1.2.1. Relevant identified uses

Industrial/Professional use spec

Use of the substance/mixture

 Industrial For professional use only
 Laboratory chemicals Manufacture of substances Solvents

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data 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 mixtur	e
Classification according to Regulation (EC) No. 12	72/2008 [CLP]
Flammable liquids, Category 2	H225
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Germ cell mutagenicity, Category 1B	H340
Carcinogenicity, Category 1A	H350
Specific target organ toxicity - Repeated exposure, Ca	tegory 1 H372
Aspiration hazard, Category 1	H304
Full text of H- and EUH-statements: see section 16	

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Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause cancer. May cause genetic defects. Causes damage to organs through prolonged or repeated exposure. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways.

2.2. Label elements	
Labelling according to Regulation (EC) No	. 1272/2008 [CLP]
Hazard pictograms (CLP)	
Signal word (CLP)	GHS02 GHS07 GHS08 : Danger
Hazard statements (CLP)	 Danger H225 - Highly flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H340 - May cause genetic defects. H350 - May cause cancer. H372 - Causes damage to organs through prolonged or repeated exposure.
Precautionary statements (CLP)	 P201 - Obtain special instructions before use. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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. P331 - Do NOT induce vomiting.
Nordic countries regulation	
Denmark	
MAL code	: 00-6 (Executive Order No. 301 from 1993)

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients		
3.1. Substances		
Substance type	: Mono-constituent	
Name	Product identifier	%
BENZENE	CAS-No.: 71-43-2 EC-No.: 200-753-7 EC Index-No.: 601-020-00-8	100
3.2. Mixtures		1

Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation	 Call a physician immediately. Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

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First-aid measures after skin contact	: If skin irritation occurs: Get medical advice/attention. Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Rinse cautiously with water for several minutes.
First-aid measures after ingestion	: Rinse mouth out with water. If you feel unwell, seek medical advice. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effec	ts, both acute and delayed
4.2. Most important symptoms and effect Symptoms/effects	 ts, both acute and delayed May be fatal if swallowed and enters airways. May cause genetic defects. May cause cancer. Causes damage to organs through prolonged or repeated exposure.

Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion Causes skin irritation. Irritation.Causes serious eye irritation. Eye irritation.

: Risk of lung oedema.

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	: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Water spray. Dry powder. Foam. Carbon dioxide.	
Unsuitable extinguishing media	: Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 Highly flammable liquid and vapour. Heating may cause a fire or explosion. Toxic fumes may be released. 	
5.3. Advice for firefighters		
Firefighting instructions Protection during firefighting	 Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. 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 equipm	nent and emergency procedures	
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.	
6.1.1. For non-emergency personnel		
	 Wear recommended personal protective equipment. Avoid contact with skin, eyes and clothing. No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray. 	
6.1.2. For emergency responders		
	: Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.	
6.2. Environmental precautions		

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up	
For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up	: Take up liquid spill into absorbent material. Clean contaminated surfaces with an excess of water. Notify authorities if product enters sewers or public waters.
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.

SECTION 7: Handling and storag	e
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling Hygiene measures	 Not expected to present a significant hazard under anticipated conditions of normal use. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Separate working clothes from town clothes. Launder separately. 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, incl	uding any incompatibilities
Technical measures Storage conditions Packaging materials	 Ground/bond container and receiving equipment. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Store always product in container of same material as original container.
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

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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:

Wear recommended personal protective 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

Skin and body protection: Wear a mask

Hand protection: Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection: Wear appropriate mask. [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

Colour:Appearance:Molecular mass:	Liquid Colourless. Clear liquid. 78.11 g/mol sweet aromatic odour.
Odour threshold	Not available
Melting point :	Not applicable
Freezing point :	5.5 °C
Boiling point :	80 – 82 °C
Flammability :	Highly flammable liquid and vapour.
Lower explosion limit :	1.2 vol %
Upper explosion limit	7.8 vol %
Flash point :	-11 °C
Auto-ignition temperature :	498 °C
Decomposition temperature :	Not available
pH :	Not available
Viscosity, kinematic :	0.687 mm²/s
Viscosity, dynamic :	0.604 mPa⋅s at 25°C

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Solubility	: Water: 0.18 g/100ml at 25°C
	Ether: Miscible
	Acetone: Miscible
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 99.5 hPa at 20°C
Vapour pressure at 50°C	: Not available
Density	: 0.879 g/cm³ at 20°C
Relative density	: Not available
Relative vapour density at 20°C	: 2.8 (Air =1)
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

9.2.2. Other safety characteristics

Refractive index

: 1.5011 at 20 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

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

Air contact. Direct sunlight. Heat. High temperature. Open flame. Overheating. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (dermal) :	Not classified Not classified
Acute toxicity (inhalation) :	Not classified
Skin corrosion/irritation :	Causes skin irritation.
Serious eye damage/irritation :	Causes serious eye irritation.
Respiratory or skin sensitisation :	Not classified
Germ cell mutagenicity :	May cause genetic defects.
Carcinogenicity :	May cause cancer.
Reproductive toxicity :	Not classified
STOT-single exposure :	Not classified
STOT-repeated exposure :	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard :	May be fatal if swallowed and enters airways.

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BENZENE GC (71-43-2)	
Viscosity, kinematic	0.687 mm²/s
11.2. Information on other hazards	

No additional information available

SECTION 12: Ecological information	
12.1. Toxicity	
Hazardous to the aquatic environment, short-term (acute)	 The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified Not classified
12.2. Persistence and degradability	
BENZENE GC (71-43-2)	
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
No additional information available	
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	
No additional information available	
SECTION 13: Disposal considerations	

13.1. Waste treatment methods	
Regional waste regulation Waste treatment methods Sewage disposal recommendations	 Disposal must be done according to official regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions. Disposal must be done according to official regulations.
Product/Packaging disposal recommendations Additional information	 Disposal must be done according to official regulations. Disposal must be done according to official regulations. Flammable vapours may accumulate in the container. Do not re-use empty containers.

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR)	:	UN 1114
UN-No. (IMDG)	:	UN 1114
UN-No. (IATA)	:	UN 1114

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UN-No. (ADN)	: UN 1114
UN-No. (RID)	: UN 1114
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: BENZENE
Proper Shipping Name (IMDG)	: BENZENE
Proper Shipping Name (IATA)	: Benzene
Proper Shipping Name (ADN)	: BENZENE
Proper Shipping Name (RID)	: BENZENE
Transport document description (ADR)	: UN 1114 BENZENE, 3, II, (D/E)
Transport document description (IMDG)	: UN 1114 BENZENE, 3, II (-11°C c.c.)
Transport document description (IATA)	: UN 1114 Benzene, 3, II
Transport document description (ADN)	: UN 1114 BENZENE, 3, II
Transport document description (RID)	: UN 1114 BENZENE, 3, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR): 3Danger labels (ADR): 3::

IMDG

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



: 3 : 3

: 3

: 3 :

: 3

: 3

ΙΑΤΑ

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

ADN

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

RID

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

14.4. Packing group

Packing group (ADR)

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Packing group (IMDG)	: 11
Packing group (IATA)	: 11
Packing group (ADN)	:
Packing group (RID)	: 11
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)	: F1
Limited quantities (ADR)	: 11
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001 : MP19
Mixed packing provisions (ADR)	
Portable tank and bulk container instructions (ADR) Portable tank and bulk container special provisions	: TP1
(ADR)	
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 33
Orange plates	
	<u>33</u> 1114
Tunnel restriction code (ADR)	: D/E
EAC code	: 3WE
APP code	: A(fl)
Transport by sea	
Limited quantities (IMDG)	: 1L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: B
Stowage and handling (IMDG)	: SW2
Flash point (IMDG)	: -11°C c.c.
Properties and observations (IMDG)	 Colourless liquid with a characteristic odour. Flashpoint: -11°C c.c. Explosive limits: 1.4% to 8% Freezing point 5°C, flashes below its freezing point. Immiscible with water. Narcotic. Exposure to this substance may produce serious chronic effects of a toxic nature.
Air transport	
Air transport PCA Excepted quantities (IATA)	: E2
PCA Excepted quantities (IATA) PCA Limited quantities (IATA)	. Ez : Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA named quality max net quality (IATA) PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
ERG code (IATA)	: 3H
Inland waterway transport	. 54
Classification code (ADN)	: F1
Limited quantities (ADN)	: 1L

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Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1
Rail transport Classification code (RID) Limited quantities (RID) Excepted quantities (RID) Packing instructions (RID) Mixed packing provisions (RID) Portable tank and bulk container instructions (RID) Portable tank and bulk container special provisions (RID)	
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 33

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)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	
5.	BENZENE GC	
28.	BENZENE GC	
29.	BENZENE GC	
3(a)	BENZENE GC	
3(b)	BENZENE GC	
40.	BENZENE GC	
72.	BENZENE GC	

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Listed on the PIC list (Regulation EU 649/2012): Benzene

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

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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 4	Hematopathies caused by benzene and all products containing it	
RG 4 BIS	Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them	
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide	

Germany

Water hazard class (WGK) Chemicals Prohibition Ordinance (C Hazardous Incident Ordinance (12.	ChemVerbotsV) : Thi be rec ide shi	GK 3, Highly hazardous to water (Classification according to AwSV; ID No. 29). Is product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic juirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), ntification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the pping route (according to § 10). not subject of the Hazardous Incident Ordinance (12. BImSchV)
Netherlands		
SZW-lijst van kankerverwekkende s SZW-lijst van mutagene stoffen SZW-lijst van reprotoxische stoffen SZW-lijst van reprotoxische stoffen Vruchtbaarheid SZW-lijst van reprotoxische stoffen	: BE – Borstvoeding : The – : The	NZENE is listed NZENE is listed e substance is not listed e substance is not listed
Denmark		
MAL code Classification remarks Danish National Regulations	: Em : Yo Pre	6 (Executive Order No. 301 from 1993) hergency management guidelines for the storage of flammable liquids must be followed ung people below the age of 18 years are not allowed to use the product egnant/breastfeeding women working with the product must not be in direct contact with product

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	

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BOD Biochemical oxygen demand (BOD) COD Chemical oxygen demand (COD) DMEL Derived Minimal Effect level DNEL Derived-No Effect Level EC-No. European Community number EC60 Median effective concentration EC50 Median effective concentration IARC International Agency for Research on Cancer IATA International Air Transport Association IMDG International Maritime Dangerous Goods LC50 Median lethal docentration LD50 Median lethal docentration NOAEC No-Observed Adverse Effect Level NOAEC No-Observed Effect Concentration NOEC No-Observed Effect Concentration NOEC No-Observed Effect Concentration RID Regulations concerning the International Carriage of Dangerous Goods by Rail SDS Safety Data Sheet STP </th <th colspan="3">Abbreviations and acronyms:</th>	Abbreviations and acronyms:		
DHELDerived Minimal Effect levelDNELDerived-No Effect LevelEC-No.European Community numberEC50Median effective concentrationEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Maritime Dangerous GoodsLC50Median lethal concentrationLC50Median lethal concentrationLC50Median lethal concentrationLC50Median lethal doseLC50Median lethal doseLCAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAELOccupational Exposure LimitPETOccupational Exposure LimitPETPersistent Bioaccumulative ToxicPNECRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafely Data SheetSTPSwage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVoltile Organic CompoundsCAS-No.Not Otherwise SpecifiedVeryBVery Persistent and Very Bioaccumulative	BOD	Biochemical oxygen demand (BOD)	
DNELDerived-No Effect LevelEC-No.European Community numberEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Agency for Research on CancerIATAInternational Agency for Research on CancerIMDGInternational Air Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAECNo-Observed Adverse Effect ConcentrationNOAECNo-Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOECOrganisation for Economic Co-operation and DevelopmentOELDOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECRegulations concerning the International Carriage of Dangerous Goods by RailSISSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Not Otherwise SpecifiedNyBNot Otherwise SpecifiedVryBVery Persistent and Very Bioaccumulative	COD	Chemical oxygen demand (COD)	
EC-No.European Community numberEC50Median effective concentrationEC50European StandardIARCInternational Agency for Research on CancerIATAInternational Air Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAECOccupational Exposure LimitPBTOrganisation for Economic Co-operation and DevelopmentOECDOrganisation for Economic Co-operation and DevelopmentPBTPersistent Bioaccumulative ToxicPNECRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSevage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVoCaVoltalie Organic CompoundsCAS-No.Chemical Abstract Service numberN.O.S.No Otherwise SpecifiedVryBVery Persistent and Very Bioaccumulative	DMEL	Derived Minimal Effect level	
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VOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service numberN.O.S.Not Otherwise SpecifiedvPvBVery Persistent and Very Bioaccumulative	ThOD	Theoretical oxygen demand (ThOD)	
CAS-No. Chemical Abstract Service number N.O.S. Not Otherwise Specified vPvB Very Persistent and Very Bioaccumulative	TLM	Median Tolerance Limit	
N.O.S. Not Otherwise Specified vPvB Very Persistent and Very Bioaccumulative	VOC	Volatile Organic Compounds	
vPvB Very Persistent and Very Bioaccumulative	CAS-No.	Chemical Abstract Service number	
	N.O.S.	Not Otherwise Specified	
ED Endocrine disrupting properties	vPvB	Very Persistent and Very Bioaccumulative	
	ED	Endocrine disrupting properties	

Full text of H- and EUH-statements:		
Asp. Tox. 1	Aspiration hazard, Category 1	
Carc. 1A	Carcinogenicity, Category 1A	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
H225	Highly flammable liquid and vapour.	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:		
H319	Causes serious eye irritation.	
H340	May cause genetic defects.	
H350	May cause cancer.	
H372	Causes damage to organs through prolonged or repeated exposure.	
Muta. 1B	Germ cell mutagenicity, 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.