

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 17/12/2021 Version: 1.0

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

1.1. Product identifier

Product form	: Mixture
Product name	: Cal Fluor Orange 560, Carboxylic Acid
Product group	: Trade product
Product code	: CO-1000

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

: Laboratory chemical

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Biosearch Technologies, Inc 2199 South McDowell Boulevard Petaluma, CA 94954-6904 USA

Only Representative Address:

Unit 1-2 Trident Industrial Estate, Pindar Road Hoddesdon, EN110WZ England

1.4. Emergency telephone number

Emergency number

: +44 1992 470757 (9am - 5pm GMT)

SECTION 2: Hazards identification

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

Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 1, Sub-Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC)	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS05 GHS07 GHS09
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H302 - Harmful if swallowed.
	H314 - Causes severe skin burns and eye damage.
	H317 - May cause an allergic skin reaction.

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	H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P273 - Avoid release to the environment.
	P310 - Immediately call a POISON CENTER or doctor.
	P391 - Collect spillage.

2.3. Other hazards

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

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]
C.I. Basic Red 1	CAS-No.: 989-38-8	45 – 70	Acute Tox. 3; H301 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1, H410
4-(Methylamino)butyric acid hydrochloride	CAS-No.: 6976-17-6	15 – 40	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335
Phosphate(1-), hexafluoro-, potassium	CAS-No.: 17084-13-8 EC-No.: 241-143-0	15 – 40	Acute Tox. 4; H302 Acute Tox. 4, H312 Skin Corr. 1B; H314 Eye Dam. 1; H318

SECTION 4: First Aid measures		
4.1. Description of first aid measures		
First-aid measures general	: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.	
First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.	
First-aid measures after skin contact	: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.	
First-aid measures after eye contact	: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.	
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.	

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4.2. Most important symptoms and effects. both acute and delayedSymptoms/effects: May cause an allergic skin reaction. Causes severe skin burns and eye damage. Harmful if
swallowed.Symptoms/effects after inhalation: May be fatal if swallowed and enters airways.Symptoms/effects after skin contact: May cause an allergic skin reaction. Causes severe burns.Symptoms/effects after eye contact: May cause an allergic skin reaction. Causes severe burns.Symptoms/effects after ingestion: Causes serious eye damage.Symptoms/effects after ingestion: Harmful if swallowed.Chronic symptoms: May cause an allergic skin reaction.

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

No additional information available

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media	: Foam. Carbon dioxide. Dry powder. Water spray.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Explosion hazard Reactivity in case of fire Hazardous decomposition products in case of fire	 Not flammable. Product is not explosive. None known. No information available. 	
5.3. Advice for firefighters		
Precautionary measures fire Firefighting instructions	 Eliminate all ignition sources if safe to do so. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Do not dispose of fire-fighting water in the environment. 	
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.	

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equ	ipment and emergency procedures	
General measures	: Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.	
6.1.1. For non-emergency personnel		
Protective equipment	: Wear Protective equipment as described in Section 8.	
Emergency procedures	: Evacuate unnecessary personnel.	
6.1.2. For emergency responders		
Protective equipment	: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.	

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up	
For containment	: Contain and collect as any solid. Sweep or shovel spills into appropriate container for disposal.
Methods for cleaning up	: Wear suitable protective clothing. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.
6.4. Reference to other sections	

See Sections 8 and 13.

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Keep container closed when not in use. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, including	any incompatibilities
Storage conditions	: Store in original container. Keep container closed when not in use. Store in a dry, cool and well-ventilated place.
Incompatible materials	: No data available.
7.3. Specific end use(s)	
No data available.	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

4-(Methylamino)butyric acid hydrochloride (6976-17-6)		
USA - ACGIH - Occupational Exposure Limits		
Remark (ACGIH)	OELs not established	
Remark (OSHA)	OELs not established	

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:

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Protective goggles. Protective clothing.

Personal protective equipment symbol(s):



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8.2.2.1. Eye and face protection

Eye protection:

Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles [EN 167].

8.2.2.2. Skin protection

Skin and body protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure [EN 14605:2005 and EN 13034:2005].

Hand protection:

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier

8.2.2.3. Respiratory protection

Respiratory protection:

Use European Standard EN 529:2005 (or other equivalent national standard) -approved dust/particulate respirator. Where vapour, mist, or dust exceed PELs or other applicable OELs, use the European Standard EN 529:2005 approved dust/particulate respiratory protective equipment.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Red.
Appearance	: Powder.
Odour	: No data available.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Explosive limits	: Not applicable
Lower explosive limit (LEL)	: Not applicable
Upper explosive limit (UEL)	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
рН	: Not available
pH solution	: Not available
Viscosity, kinematic	: Not applicable
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	: Not available
Relative vapour density at 20 °C	: Not applicable
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available
	: Not available

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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

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

None under normal use.

10.5. Incompatible materials

None known.

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 define	d in Regulation (EC) No 1272/2008		
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Harmful if swallowed. Not classified Not classified		
Cal Fluor Orange 560, Carboxylic Acid			
ATE CLP (oral)	500 mg/kg bodyweight		
Phosphate(1-), hexafluoro-, potassium (17084	-13-8)		
LD50 oral rat	≈ 1400 mg/kg bodyweight Animal: rat, Animal sex: male		
Skin corrosion/irritation:Serious eye damage/irritation:Respiratory or skin sensitisation:Germ cell mutagenicity:Carcinogenicity:	Causes severe skin burns. Causes serious eye damage. May cause an allergic skin reaction. Not classified Not classified		
C.I. Basic Red 1 (989-38-8)			
IARC group	3 - Not classifiable		
Reproductive toxicity:STOT-single exposure:STOT-repeated exposure:Aspiration hazard:	Not classified Not classified Not classified Not classified		
Cal Fluor Orange 560, Carboxylic Acid			
Viscosity, kinematic	Not applicable		

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11.2. Information on other hazards

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SECTION 12: Ecological information 12.1. Toxicity Ecology - general : No data available. Hazardous to the aquatic environment, short-term : Very toxic to aquatic life. (acute) Hazardous to the aquatic environment, long-term : Very toxic to aquatic life with long lasting effects. (chronic) Phosphate(1-), hexafluoro-, potassium (17084-13-8) EC50 72h - Algae [1] > 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) 12.2. Persistence and degradability No additional information available 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

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

12.7. Other adverse effects	
Other adverse effects	: No data available
SECTION 13: Disposal considerations	

13.1. Waste treatment methods	
Waste treatment methods	: Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an specific permit.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION	11. Trane	port information
SECTION	14. 11alis	portiniormation

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

14.1. UN number or ID number			
UN-No. (ADR) UN-No. (IMDG)	: UN 3260 : UN 3260		

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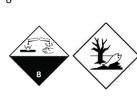
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UN-No. (IATA)	: UN 3260
UN-No. (ADN)	: UN 3260
UN-No. (RID)	: UN 3260
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
Proper Shipping Name (IMDG)	: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
Proper Shipping Name (IATA)	: Corrosive solid, acidic, inorganic, n.o.s.
Proper Shipping Name (ADN)	: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
Proper Shipping Name (RID)	: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
Transport document description (ADR)	 UN 3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (contains Potassium hexafluorophosphate), 8, II, (E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	: UN 3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (contains Potassium hexafluorophosphate), 8, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	: UN 3260 Corrosive solid, acidic, inorganic, n.o.s. (contains Potassium hexafluorophosphate), 8, II, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN)	: UN 3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (contains Potassium hexafluorophosphate), 8, II, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID)	: UN 3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (contains Potassium hexafluorophosphate), 8, II, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

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



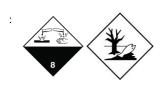
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IMDG

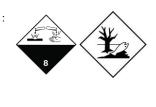
Transport hazard class(es) (IMDG)	
Danger labels (IMDG)	

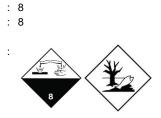


ΙΑΤΑ

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

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





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RID Transport hazard class(es) (RID) Danger labels (RID)	: 8 : 8
14.4. Packing group	
Packing group (ADR) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	: II : II : II : II : II
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant Other information	YesYesNo 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) Special packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR) Portable tank and bulk container special provisions (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - Packages (ADR) Hazard identification number (Kemler No.) Orange plates	: C2 : 274 : 1kg : E2 : P002, IBC08 : B4 : MP10 : T3 : TP33 : SGAN : AT : 2 : V11 : 80 : 80 : 80 : 80 : 3260
Tunnel restriction code (ADR) EAC code	: E : 2X
Transport by sea (IMDG) Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG) IBC special provisions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG)	: 274 : 1 kg : E2 : P002 : IBC08 : B21, B4 : T3 : TP33 : F-A : S-B : B
Segregation (IMDG) Properties and observations (IMDG)	 SGG1, SG36, SG49 Causes burns to skin, eyes and mucous membranes.

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All transport (IATA)	
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y844
PCA limited quantity max net quantity (IATA)	: 5kg
PCA packing instructions (IATA)	: 859
PCA max net quantity (IATA)	: 15kg
CAO packing instructions (IATA)	: 863
CAO max net quantity (IATA)	: 50kg
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L
Inland waterway transport	
Classification code (ADN)	: C2
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 1 kg
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	. FF, EF : 0
Number of blue coneshights (ADN)	. 0
Rail transport	
Classification code (RID)	: C2
Special provisions (RID)	: 274
Limited quantities (RID)	: 1kg
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P002, IBC08
Special packing provisions (RID)	: B4
Mixed packing provisions (RID)	: MP10
Portable tank and bulk container instructions (RID)	: T3
Portable tank and bulk container special provisions	: TP33
(RID)	
Tank codes for RID tanks (RID)	: SGAN
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W11
Colis express (express parcels) (RID)	: CE10
Hazard identification number (RID)	: 80

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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.

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

15.1.2. National regulations

All chemical substances in this product are listed as "Active" in the EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule") of Feb 2019, as amended Feb 2021 or are otherwise exempt, or regulated by other agencies such as FDA or FIFRA except the following one is not in the "TSCA Inventory Notification (Active-Inactive) list

4-(Methylamino)butyric acid hydrochloride	(CAS-No.) 6976-17-6
Germany Water hazard class (WGK) Hazardous Incident Ordinance (12. BImSchV)	: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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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 –	: None of the components are listed
Vruchtbaarheid	
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
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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Abbreviations and acronyms			
ACGIH	American Conference of Governement Industrial Hygienists		
AGW	Arbeitsplatzgrenzwerte (German occupational exposure limits)		
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		
ASTM	American Society for Testing and Materials		
AwSV	Ordinance on facilities for handling substances that are hazardous to water		
BEI	Biological Exposure Indices		
BCF	Bioconcentration factor		
BOD	Biological Oxygen Demand		
BLV	Biological limit values		
CAS-No.	Chemical Abstract Service number		
СС	Closed cup		
CFR	Code of Federal Regulations		
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008		
CMR	Carcinogenic, mutagenic, or toxic for reproduction		
CNS	Central nervous system		
COD	Chemical Oxygen Demand		
DNEL	Derived No-Effect Level		
EAC	Emergency action code		
EC50	Median effective concentration		
EC-No.	European Community number		
ED	Endocrine disrupting properties		
ED50	Median effective dose		
EmS-No.	Emergency Schedules number		
EN	European Standard		
ERG code	Emergency Response Guide code		
FDA	Food and Drug Administration (US agency)		
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act (US act)		

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Abbreviations and ac	Abbreviations and acronyms		
HAPS	Hazardous Air Pollutants		
IARC	International Agency for Research on Cancer		
ΙΑΤΑ	International Air Transport Association		
IBC	Intermediate bulk container		
IMDG	International Maritime Dangerous Goods		
IOEL	Indicative Occupational Exposure Limit		
LC50	Median lethal concentration		
LD50	Median lethal dose		
LK	Lagerklassen (Switzerland storage class)		
LOAEL	Lowest Observed Adverse Effect Level		
NDS	Najwyïsze dopuszczalne stĸïenie na stanowisku pracy (Polish occupational exposure limit)		
NDSCh	Najwyïsze dopuszczalne stĸïenie chwilowe (Polish occupational exposure limit)		
NIOSH	National Institute for Occupational Safety and Health		
NOAEC	No Observed Adverse Effect Concentration		
NOAEL	No Observed Adverse Effect Level		
NOEC	No Observed Effect Concentration		
NTP	National Toxicology Program		
OECD	Organisation for Economic Co-operation and Development		
OEL	Occupational Exposure Limit		
OSHA	Occupational Safety and Health Administration (US agency)		
РВТ	Persistent Bioaccumulative Toxic		
PCA	Passenger and Cargo Aircraft		
PEL	Permissible Exposure Limit		
PNEC	Predicted No-Effect Concentration		
PPE	Personal protective equipment		
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail		
SDS	Safety Data Sheet		
STEL	Short Term Exposure Limit		
STOT SE	Specific target organ toxicity – single exposure		
STOT RE	Specific target organ toxicity – repeated exposure		
STP	Sewage treatment plant		
SZW-lijst	Sociale Zaken en Werkgelegenheid (Netherlands CMR list)		
TLV	Threshold Limit Value		
TGG	Tijdgewogen gemiddelde (Netherlands occupational exposure limit)		
TRGS	Technical Rules for Hazardous Substances		
TSCA	Toxic Substances Control Act		
TWA	Time-Weighted Average		
UFI	Unique Formula Identifier		

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Abbreviations and acronyms				
UN-No.	United Nations number			
vPvB	Very Persistent and Very Bioaccumulative			
VLE	Valeurs limites d'exposition (French occupational exposure limits)			
VME	Valeur moyenne d'exposition (French occupational exposure limit)			
VOC	Volatile Organic Compounds			
WEL	Workplace Exposure Limit			
WGK	Water Hazard Class			

Data sources

: Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Classification for the USA in accordance with 29 CFR 1910.1200 (2012). Classification for the EU in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. ECHA (European Chemicals Agency).

Training advice

: Normal use of this product shall imply use in accordance with the instructions for use and corresponding product packaging. Workers should be trained in the safety procedures and disposal requirements of their workplace as required by local regulations.

Indication of changes: Revision 1.0: New SDS Created.

Other information

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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]		
Acute Tox. 4 (Oral)	H302	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

Safety Data Sheet (SDS), EU

To the best of our knowledge, the information contained herein is accurate. However, Disclaimer: neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.