





	SAFETY DATA SHEET Flue dust, Zinc refining	
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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER:																					
PRODUCT NAME	Flue dust, Zinc-refining																				
PRODUCT CODE	CAS number: 69012-63-1. EC number: 273-760-6. Registration Number: 01-2119480405-39-0019																				
COMMON, COMMERCIAL NAME AND SYNONYMS	Zinc Oxidized, Zinc rich flue dust, Zinc-refining.																				
1.2 RELEVANT IDENTIFIED USE OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:	Raw material to produce secondary zinc or zinc oxide.																				
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:																					
MANUFACTURER	A-ESSE S.r.l. Via Conturli, 33 16042 Carasco (GE) - ITALY Phone company number: 0039 185 350177 - 8 (from Monday to Friday, from 8.00 am to 6.00 pm) Fax number: 0039 185 350863 Handler phone number: 0039 348 5831754 (h. 24) e-mail: ufficiotecnico@a-esse.com - http://www.a-esse.com																				
1.4 EMERGENCY TELEPHONE NUMBER:	<table border="1"><tr><td>Tel.: 0039 06 49978000</td><td>Hospital: Centro Antiveleni Azienda ospedaliera universitaria Policlinico Umberto (Roma) - h.24</td></tr><tr><td>Tel.: 0039 06 3054343</td><td>Hospital: Centro Antiveleni Policlinico A. Gemelli (Roma) - h.24</td></tr><tr><td>Tel.: 0039 06 68593726</td><td>Hospital: Centro Antiveleno Ospedale Pediatrico Bambino Gesù (Roma) - h.24</td></tr><tr><td>Tel.: 0039 0382 24444</td><td>Hospital: Centro Antiveleni Fondazione S. Maugeri (Pavia) - h.24</td></tr><tr><td>Tel.: 0039 02 66101029</td><td>Hospital: Centro Antiveleni Ospedale Niguarda Cà Grande (Milano) - h.24</td></tr><tr><td>Tel.: 0039 800 883300</td><td>Hospital: Centro Antiveleni Azienda Ospedaliera Papa Giovanni XXIII (Bergamo) - h.24</td></tr><tr><td>Tel.: 0039 055 7947819</td><td>Hospital: Centro Antiveleni Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica (Firenze) - h.24</td></tr><tr><td>Tel.: 0039 081 5453333</td><td>Hospital: Centro Antiveleni Azienda Ospedaliera A. Cardarelli (Napoli) - h.24</td></tr><tr><td>Tel.: 800 183459</td><td>Hospital: Centro Antiveleni Azienda Ospedaliera Università di Foggia (Foggia) - h.24</td></tr><tr><td>Tel.: 800 011858</td><td>Hospital: Centro Antiveleni Veneto (Verona) - h.24</td></tr></table>	Tel.: 0039 06 49978000	Hospital: Centro Antiveleni Azienda ospedaliera universitaria Policlinico Umberto (Roma) - h.24	Tel.: 0039 06 3054343	Hospital: Centro Antiveleni Policlinico A. Gemelli (Roma) - h.24	Tel.: 0039 06 68593726	Hospital: Centro Antiveleno Ospedale Pediatrico Bambino Gesù (Roma) - h.24	Tel.: 0039 0382 24444	Hospital: Centro Antiveleni Fondazione S. Maugeri (Pavia) - h.24	Tel.: 0039 02 66101029	Hospital: Centro Antiveleni Ospedale Niguarda Cà Grande (Milano) - h.24	Tel.: 0039 800 883300	Hospital: Centro Antiveleni Azienda Ospedaliera Papa Giovanni XXIII (Bergamo) - h.24	Tel.: 0039 055 7947819	Hospital: Centro Antiveleni Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica (Firenze) - h.24	Tel.: 0039 081 5453333	Hospital: Centro Antiveleni Azienda Ospedaliera A. Cardarelli (Napoli) - h.24	Tel.: 800 183459	Hospital: Centro Antiveleni Azienda Ospedaliera Università di Foggia (Foggia) - h.24	Tel.: 800 011858	Hospital: Centro Antiveleni Veneto (Verona) - h.24
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2. HAZARDS IDENTIFICATION

<p>2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:</p>	<p>Classification according to the Regulation (CE) n. 1272/2008 (CLP/GHS):</p> <p>Hazard pictogram</p>  <p>GHS08: health hazard</p> <p>Carc. 2 H351: Suspected of causing cancer. Repr. 1A H360FD: May damage fertility or the unborn child. STOT Rep. Exp. 2 H373: May cause damage to organs through prolonged or repeated exposure. Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects.</p>
<p>2.2 LABEL ELEMENTS:</p>	<p>Labeling according to the Regulation (EC) n. 1272/2008 (CLP/GHS):</p>  <p>GHS08 health hazard</p> <p>Signal word: danger</p> <p>Hazard statements:</p> <p>H351: Suspected of causing cancer. H360: May damage fertility or the unborn child. H373: May cause damage to organs through prolonged or repeated exposure. H412: Harmful to aquatic life with long lasting effects.</p> <p>Precautionary statements:</p> <p>P270: Do not eat, drink or smoke when using this product. P308+P313: If exposed or concerned: Get medical advice/attention. P273: Avoid release to the environment.</p>
<p>2.3 OTHER HAZARDS:</p>	
<p>CRITERIA FOR PBT AND vPvB</p>	<p>Substance meets the criteria for PBT according to Regulation (EC) N° 1907/2006, Annex XIII</p> <ul style="list-style-type: none"> Not available data <p>Substance meets the criteria for vPvB according to Regulation (EC) N° 1907/2006, Annex XIII:</p> <ul style="list-style-type: none"> Not available data

For more detailed information about effects on health and relevant symptoms, see Section 11.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<p>3.1 SUBSTANCES:</p>	<p>Substance</p>
<p>CHEMICAL FORMULATION</p>	<p>ZnO</p>

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COMPONENT NAME:	CAS NUMBER	%	EC NUMBER (EINECS)	CLASSIFICATION
ZINC OXIDE	1314-13-2	> 65	215-222-5	Environment, Attention, H400, H410

Other information: the zinc oxidized contain Lead (Pb < 3%), Nickel (Ni < 0.1%) and Cadmium (Cd < 0.1%).
The occupancy exposure limits are listed in Section 8 - The complete text of H sentences mentioned is given in Section 16.

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:	
INHALATION	Take away from exposure source and let breath fresh air. Place the injured person in a position that is comfortable for breathing. If necessary, carry out first aid actions only by trained personnel equipped with specific personal protective equipment. Consult a doctor.
SWALLOWING	Wash the mouth with water, remove any dentures. Drink water. Do not induce vomiting. Seek medical advice.
SKIN CONTACT	Immediately wash skin with plenty of water. Wash clothes before reuse. Consult a doctor in case of irritation.
EYE CONTACT	Promptly flush eyes with plenty of water for several minutes. Check for the presence of lenses, if so remove them and rinse with plenty of water. Consult a doctor.
4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	There are no known effects and / or specific symptoms.
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:	In case of disturbances following contact with the substance, it is advisable to consult a doctor or a poison center.

5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:	Not combustible. Use an extinguishing agent suitable for surrounding fires.
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:	The substance is not classified as flammable. Due to the presence of volatile components, to the high temperatures we cannot exclude the formation of gases dangerous to human health.
5.3 ADVICE FOR FIREFIGHTERS:	
SPECIAL FIRE FIGHTING MEASURES	Dike water used to extinguish the fire and contaminated with this substance and prevent it from entering waterways, sewers or drains.
PROTECTIVE MEASURES FOR FIRE-EXTINGUISHING PERSONNEL	In case of surrounding fires, use self-contained breathing apparatus with a face shield. Use protective clothing suitable for firefighting.

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6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Use suitable protective clothing as indicated in section 8. Avoid generation of dust. Vacuum and collect the dispersed material in suitable containers.
6.1.1 FOR NON-EMERGENCY PERSONNEL	Wear appropriate personal protective equipment as indicated in section 8 to prevent contact with the skin, eyes, and respiratory tract. If it is safe to remove or shut down the sources of release or stop operations. Remove personnel not involved in emergency intervention from the area.
6.1.2 FOR EMERGENCY RESPONDERS	Wear appropriate personal protective equipment as indicated in section 8 to prevent contact with the skin, eyes, and respiratory tract.
6.2 ENVIRONMENTAL PRECAUTIONS:	Avoid the dispersion and the formation dust. Prevent entry into waterways and ground water, sewers, or water networks. Avoid contamination of soil. Notify authorities if released in large quantities.
6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:	Vacuum up and collect spilled material in appropriate labeled containers, suitable for the recovery or disposal of waste. Dispose of the refusal through company authorized. Avoid dust formation. Prevent entry waterways and ground water, sewers, or water networks.
6.4 REFERENCE TO OTHER SECTIONS:	See section 1 for emergency numbers and section 8 for information on personal protective equipment. For information on waste disposal refer to section 13.






7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:	<p>Wear suitable personal protective equipment (see section 8). Avoid direct exposure with dust. Avoid generation of dust. Store and handle the substance in the original container. During handling, make sure that the container is tightly closed and intact. Keep away from acids and bases. Avoid contact with acids and bases. Keep the handling and storage environment dry and ventilated.</p> <p>Wash hands after use. Eating, drinking, and smoking are prohibited in areas where the material is handled, stored or processed. Remove contaminated clothing and protective equipment before entering eating areas.</p>
7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	<p>Keep stored in a dry, ventilated place and in closed and labeled containers.</p> <p>Store away from acids and bases.</p> <p>Store inside the original container. Make sure that the substance is stored in approved containers according to current local, national, and international regulations.</p>
7.3 SPECIFIC END USE(S):	No other information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:	<p>Substance whose exposure limit values must be monitored at workplace: lead and its ionic compounds:</p> <ul style="list-style-type: none">– occupational exposure limit value: TLV - TWA 0.15 mg/m³ (Legislative Decree 81/2008 and subsequent amendments, Directive 98/24/EC, Directive 2019/1831/EU),– biological limit value (LBV) in Italy: 60 µg Pb/100 ml of blood (Legislative Decree 81/2008 and subsequent amendments),– biological limit value (LBV): 70 µg Pb/100 ml of blood (Directive 98/24/CE),– biological limit value (LBV) for female workers of childbearing age in Italy: 40 µg Pb/100 ml of blood (Legislative Decree 81/2008 and subsequent amendments),– health surveillance: for exposure to a concentration of lead in the air, expressed as a time-weighted average calculated over 40 hours a week, greater than 0.075 mg/m³ or
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	<p>in individual workers, a lead content in the blood greater than 40 µg was found Pb/100 ml of blood (Legislative Decree 81/2008 and subsequent amendments, Directive 98/24/EC).</p> <p>Substance whose exposure limit values must be monitored in the workplace: cadmium and its inorganic compounds:</p> <ul style="list-style-type: none"> - occupational exposure limit value: TLV - TWA 0.001 mg/m³ (Legislative Decree 81/2008 and subsequent amendments, up to 11/07/2027 Respirable fraction in the Member States that apply, at the date of entry into force of the Directive (EU) 2019/983, a biomonitoring system with a biological limit value not exceeding 0.002 mg Cd/g of creatinine in urine). <p>Substance whose exposure limit values must be kept under control in the workplace: dust</p> <ul style="list-style-type: none"> - inhalable fraction: 10 mg/ m³ - respirable fraction: 2 mg/m³. <p>DNEL/PNEC: not available data</p>
8.2 EXPOSURE CONTROLS:	
8.2.1 APPROPRIATE ENGINEERING CONTROLS:	Cleaning of devices and work equipment. Storage of the substance in dedicated areas. Maintain adequate ventilation of the premises. Eating, drinking and smoking are prohibited in areas where the material is handled, stored or processed.
8.2.2 INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:	
EYE / FACE PROTECTION	<p>Wear goggles (EN 166) where eye exposure is reasonably likely.</p> <p>If face's contact is reasonably possible, use a protective face shield or visor.</p>  
SKIN PROTECTION	
hand protection	<p>Wear suitable protective gloves for chemical risks (EN 374) of contact with the skin and/or mechanical risks (EN 388).</p> 
other	Wear suitable work clothes and safety shoes (EN 20345).
RESPIRATORY PROTECTION	<p>When handling, wear a mask fitted with a P2 dustproof filter (EN 143, EN 149).</p>  
8.2.3 ENVIRONMENTAL EXPOSURE CONTROLS:	Avoid dispersion and dust formation. Avoid entry into surface and underground watercourses, sewers or water systems. Avoid soil contamination.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:	
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PHYSICAL STATE	Solid (Powder/granules/pieces).
COLOR	Gray, grayish yellow, grayish green.
ODOUR	Odourless.
MELTING POINT / FREEZING POINT	Not applicable.
BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE	Not applicable to solids with a melting point above 300°C or which decompose before reaching the boiling point. The substance decomposes before boiling, (column 2 of Annex VII of the REACH Regulation (EC) No. 1907/2006).
FLAMMABILITY	Not inflammable.
LOWER AND UPPER EXPLOSION LIMIT	Not applicable to solid substances.
FLASH POINT	Not applicable to solid substances.
AUTO-IGNITION TEMPERATURE	Not applicable.
DECOMPOSITION TEMPERATURE	Not applicable.
PH	Not available data.
KINEMATIC VISCOSITY	Not applicable.
SOLUBILITY	Not available data.
PARTITION COEFFICIENT N-OCTANOL/WATER (log value)	Not applicable.
VAPOUR PRESSURE	Not applicable.
DENSITY AND/OR RELATIVE DENSITY	4.83 g/cm ³ a 20° C.
RELATIVE VAPOUR DENSITY	Not applicable.
PARTICLE CHARACTERISTICS	The D ₅₀ is 3.44 µm, the D ₈₀ is < 20 µm.
9.2. OTHER INFORMATION	
9.2.1 INFORMATION WITH REGARD TO PHYSICAL HAZARD CLASSES	No relevant information.
9.2.2 OTHER SAFETY CHARACTERISTICS:	No additional information.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY:	No reactivity under normal conditions.
10.2 CHEMICAL STABILITY:	Stable under normal conditions of storage and use.
10.3 POSSIBILITY OF	Possibility of dangerous exothermic reactions if it comes into contact with acids and bases.

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HAZARDOUS REACTIONS:	
10.4 CONDITIONS TO AVOID:	Avoid contact with acids and bases. Avoid contact with hot parts.
10.5 INCOMPATIBLE MATERIALS:	Acids and bases.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS:	No hazardous decomposition products if stored away from acids, bases, and heat sources.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON HAZARD CLASSES DEFINED IN REGULATION (EC) N. 1272/2008	
ACUTE TOXICITY - ORAL	LD50 (rat) > 2000 mg/kg body weight, does not lead to the classification of acute oral toxicity (OECD guidelines 401).
ACUTE TOXICITY - CUTANEOUS	LD50 (rat) > 2000 mg/kg body weight (OECD guideline 402).
ACUTE TOXICITY - INHALATION	LC50 (rat - 4 hours) > 5.371 mg/l of air (OECD guideline 403).
SKIN CORROSION / IRRITATION	Not irritating.
SERIOUS EYE DAMAGE / IRRITATION	Not irritating.
RESPIRATORY OR SKIN SENSITISATION	Not sensitizing.
GERM CELL MUTAGENICITY	The substance tests positive for genetic toxicity. In the absence of data, the substance toxicity rules were applied according to the EU CLP regulation. The analysis led to the classification for mutagenicity Cat 2 due to a sufficient level of cadmium in the oxidates.
CARCINOGENICITY	In the absence of data, the substance toxicity rules were applied according to the EU CLP regulation. The analysis resulted in the classification of carcinogenicity Cat 2 due to a sufficient level of cadmium / nickel.
REPRODUCTIVE TOXICITY	In the absence of data, the substance toxicity rules were applied according to the EU CLP regulation. The analysis allowed the classification of reproductive toxicity Cat 1 and Cat 1A due to a sufficient level of lead.
STOT - SINGLE EXPOSURE	Not available data.
STOT - REPEATED EXPOSURE	Not available data.
ASPIRATION HAZARD	Not available data.
11.2 INFORMATION ON OTHER HAZARDS	
11.2.1 ENDOCRINE DISRUPTING PROPERTIES	Not available information.

12. ECOLOGICAL INFORMATION

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12.1 TOXICITY:	
AQUATIC TOXICITY	<p><i>Short-term toxicity to fish:</i></p> <p><i>LC50 > 100 mg/l (96 hours - Danio rerio: Fish, Acute Toxicity Test, according to OECD guideline 203).</i></p> <p><i>EC50 > 100 mg/l (48 hours - Daphnia magna: Daphnia sp. Acute Immobilisation Test, according to OECD guideline 202).</i></p> <p><i>EC50: 16.2 mg/l (72 hours - Desmodesmus subspicatus: Alga, Growth Inhibition Test, according to OECD guideline 201).</i></p> <p><i>EC10: 0.3 mg/l (72 hours - Desmodesmus subspicatus: Alga, Growth Inhibition Test, according to OECD guideline 201)</i></p> <p><i>EC50: 1.8 mg/l (72 hours - Desmodesmus subspicatus: Alga, Growth Inhibition Test, according to OECD guideline 201)</i></p> <p><i>EC10: 0.05 mg/l (72 hours - Desmodesmus subspicatus: Alga, Growth Inhibition Test, according to OECD guideline 201)</i></p> <p><i>EC50: 12.3 mg/l (72 hours - Desmodesmus subspicatus: Alga, Growth Inhibition Test, according to OECD guideline 201)</i></p> <p><i>EC10: 2.6 mg/l (72 hours - Desmodesmus subspicatus: Alga, Growth Inhibition Test according to OECD guideline 201).</i></p> <p><i>EC50: 3.3 mg/l (72 hours - Desmodesmus subspicatus: Alga, Growth Inhibition Test, according to OECD guideline 201).</i></p> <p><i>EC10: 0.4 mg/l (72 hours - Desmodesmus subspicatus: Alga, Growth Inhibition Test, according to OECD guideline 201).</i></p>
TERRESTRIAL TOXICITY	Not available data.
12.2 PERSISTENCE AND DEGRADABILITY:	Not applicable to inorganic substances.
12.3 BIOACCUMULATIVE POTENTIAL:	The following information is taken into consideration for each hazard / risk / bio-accumulation assessment: Zinc is an essential element that is actively regulated by organisms, therefore bio-concentration / bio-accumulation are not considered relevant (Chemical Safety Report (CSR)).
12.4 MOBILITY IN SOIL:	Not available data.
12.5 RESULTS OF PBT AND vPvB ASSESSMENT:	Not available data.
12.6 ENDOCRINE DISRUPTING PROPERTIES:	No relevant known information.
12.7 OTHER ADVERSE EFFECTS:	Not available data.


13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:	<p>Waste generation should be avoided or minimized. Collect, reprocess, recycle if possible.</p> <p>Classify waste in accordance with current national or international regulations.</p> <p>Dispose of waste in accordance with applicable local, regional and national environmental legislation.</p> <p>Avoid dispersion in the environment, do not disperse in watercourses or sewers.</p> <p>Store the product in the original packaging or pack and transport waste in accordance with current national and international regulations.</p>
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14. TRANSPORT INFORMATION

	14.1 UN number or ID number	14.2 UN proper shipping name	14.3 Transport hazard classes	14.4 Packing group	14.5 Environmental hazard	Labels	Additional information
EARTH: Road/Railway Classification ADR/RID	UN3077	environmentally hazardous substance, solid, n.a.s. (Zinc oxide)	9	III	M7 substances hazardous to the aquatic environment, solid	 	Hazard identification number 90 Quantities excepted E1 Limited quantities 5kg Transport category 3
WATERWAYS: Navigable channels Classification ADN	UN3077	environmentally hazardous substance, solid, n.a.s. (Zinc oxide)	9	III	substances hazardous to the aquatic environment, solid	 	
SEA: Classification IMO/IMDG	UN3077	Environmentally hazardous substance, solid, n.o.s. (Zinc oxide)	9	III	substances hazardous to the aquatic environment, solid	 	Marine pollutant: Si (P) Number EMS: F-A, S-F.
AIR: Classification ICAO/ IATA	UN3077	Environmentally hazardous substance, solid, n.o.s. (Zinc oxide)	9	III	substances dangerous for the aquatic environment, solid		Packing instruction: Y911 if gross weight < 30 kg 911 if gross weight ≥ 30 kg

							
14.6 SPECIAL PRECAUTIONS FOR USERS		See sections 7 and 8 for information on user precautions.					
14.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS		Not applicable for packaged goods.					

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:	National regulations: in Italy zinc oxidates are not subject to any specific legislation (Legislative Decree 81/08 and subsequent amendments).
15.2 CHEMICAL SAFETY ASSESSMENT:	Within the Zinc REACH Cosortium (IZA-Europe), according to the requirements of the REACH Regulation (EC) n. 1907/2006 for product registration, the Chemical Safety Report (CSR) was drawn up from which the information contained in this safety data sheet was taken.

16. OTHER INFORMATION

REASON FOR REVIEW	Update for adaptation to Regulation (EU) 2020/878.
ABBREVIATIONS AND ACRONYMS	<p>RID: Regulations concerning the international carriage of dangerous goods by rail (Regulations concerning the International Carriage of Dangerous Goods by Rail).</p> <p>ADR: Regulation concerning the road transport of dangerous goods (European Agreement concerning the International Carriage of Dangerous Goods by Road).</p> <p>IMDG: Regulation concerning the transport of dangerous goods by sea (International Maritime Dangerous Goods Code).</p> <p>IATA: International Air Transport Association.</p> <p>P: Marine Pollutant.</p> <p>GHS: Globally Harmonized System of Classification and Labeling of Chemicals.</p> <p>EINECS: European Inventory of Existing Commercial Chemical Substances.</p> <p>ACGIH: American Conference of Governmental Industrial Hygienists.</p> <p>CAS: Chemical Abstracts Service.</p> <p>OECD: Organization for Economic Co-operation and Development</p> <p>DNEL: Derived No Effect Level (REACH).</p> <p>PNEC: Predicted No Effect Concentration (REACH).</p> <p>NOEC: No Observed Effect Concentration.</p> <p>EC: effective concentration.</p> <p>LC50: Lethal concentration, 50 percent. LD50: Lethal dose, 50 percent.</p> <p>PBT: Persistent, Bioaccumulative and Toxic.</p> <p>vPvB: very persistent and very bioaccumulative.</p>
BIBLIOGRAPHICAL REFERENCES AND SOURCES	REACH Regulation (EC) no. 1907/2006 and subsequent amendments.

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	<p>CLP Regulation (EC) No. 1272/2008 and subsequent amendments</p> <p>Regulation (EU) no. 487/2013.</p> <p>Regulation (EU) 2020/878.</p> <p>GHS - Globally Harmonized System of Classification and Labeling of Chemicals.</p> <p>ACGIH: American Conference of Governmental Industrial Hygienists.</p> <p>Legislative Decree 81/2008 and subsequent amendments</p> <p>Directive 2008/68/EC - internal transport of dangerous goods.</p> <p>Chemical Safety Report (CSR - chemical safety report).</p>
LIST OF DANGER STATEMENTS - H / SAFETY ADVICE - P / WARNINGS	<p>Regulation (EC) 1272/2008 (CLP/GHS):</p> <p>H351: Suspected of causing cancer.</p> <p>H360: May damage fertility or the unborn child.</p> <p>H373: May cause damage to organs through prolonged or repeated exposure.</p> <p>H412: Harmful to aquatic life with long lasting effects.</p> <p>P270: Do not eat, drink or smoke when using this product.</p> <p>P308+P313: If exposed or concerned, get medical attention.</p> <p>P273: Do not release into the environment.</p> <p>Warning: Danger</p>
PREVIOUS REVISION	Revision 9 of 10/31/2017
<p>The information contained in this Safety Data Sheet is accurate and reliable to the best of our knowledge at the date of publication. They are to be regarded as a safety guide for use, handling, disposal, storage and transportation and cannot be relied upon as a warranty or specification.</p> <p>It is the user's responsibility to ascertain the suitability of the information for the particular intended use.</p>	

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