

Section A 8 Annex Point IIA VIII.8.1 to VIII.8.6 and IIIA VIII.1	Measures necessary to protect man, animals and the environment	
Subsection (Annex Point)		Official use only
8.1 Recommended methods and precautions concerning handling, use, storage, transport or fire	Some additional information is available under Section A 2.10.	
Placing on the market	The a.s. is not marketed as such but in custom-made preparations (b.p.).	
Handling and storage:	<p>Information for safe handling: Ensure good exhaust ventilation at the workplace. Handle product in closed systems preferably. Avoid splashes or spray.</p> <p>Information about protection against explosion and fire: No special measures required.</p> <p>Requirements to be met by store rooms and containers: Store only in the original container. Prevent any penetration into the ground. Information about suitable materials for vessels and piping can be requested from our sales department Tel.: +44(0)1606 818800.</p> <p>Information about storage in a common storage facility: Store away from foodstuffs.</p> <p>Further information about storage conditions: Protect from heat and direct sunlight. The product, as supplied, naturally and very slowly involves carbon dioxide gas. Therefore, to relieve any excess pressure, the product is supplied in specially vented containers which are recommended for the continued storage of the product. In order to prevent spillages, always ensure that these containers are stored and transported in upright position. Keep containers tightly sealed.</p>	

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Exposure controls and personal protection	<p>Personal protective equipment</p> <p>General protective and hygienic measures Use skin protection cream for preventive skin protection. Immediately remove any soiled and impregnated garments. Avoid contact with the eyes and skin. Do not inhale gases/fumes/aerosols. Wash hands during breaks and at the end of the shift.</p> <p>Respiratory protection: Use breathing protection when aerosol or mist is formed. Half- or full face mask with filter A2B2E2K2HG-P3 recommended.</p> <p>Protection of hands: Chemical protective gloves (only CE-registration cat. III) Check protective gloves prior to each use for their proper condition. After use of gloves apply skin-cleaning agents and skin cosmetics. Material of gloves Nitrile rubber, NBR Not suitable are gloves made of the following materials: Leather gloves</p> <p>Eye protection: Face shield</p> <p>Body protection: Protective clothing. Full head, face and neck protection Apron</p>	
Transport:	Refer to material safety data sheet in Document I.2.	
Fire:	<p>Suitable extinguishing agents Water spray jet, extinguishing powder, CO₂, foam.</p> <p>Unsuitable extinguishing agents for reasons of safety: Water with a full water jet.</p> <p>Protective equipment: Wear self-contained breathing apparatus.</p> <p>Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.</p>	
8.2 In case of fire, nature of reaction products, combustion gases, etc.	<p>Special hazards caused by the material, its products of combustion or flue gases: Can be released in case of fire: Nitrogen oxides (NO_x) Sulphur dioxide (SO₂) Carbon monoxide (CO)</p>	

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8.3 Emergency measures in case of an accident	First aid measures General information Immediately remove any clothing soiled by the product. After inhalation Supply fresh air or oxygen; call doctor. After skin contact Clean with water and soap immediately. Then wash with polyethylene glycol 400, if available. Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing. After eye contact Rinse eyes for at least 15 minutes under running water and call for a doctor (1. Chibro-Kerakain, 2. Isogutt) After swallowing Rinse out mouth and then drink water. Do not induce vomiting. Call for medical help. Administer activated charcoal (3 table spoons elutriated in a glass of water). Information for doctor The following symptoms may occur: Allergic skin reactions. Corrosive damage to gastro-intestinal tract. Treatment: Symptomatic treatment (decontamination, vital treatment), no specific antidote known.	
8.4 Possibility of destruction or decontamination following release in or on the following: (a) air (b) water, including drinking water (c) soil	Accidental release measures Personal safety precautions: Wear protective clothing. Keep unprotected persons away. When selecting the protective suit it has to be paid attention to a complete and safe protection of skin and mucous membrane. Impermeable protective clothes, protective boots made of neoprene, complete face protection, nitrile-rubber-gloves with long tops. Measures for environmental protection: Prevent from spreading (e. g. by damming-in or oil barriers). As the product is hazardous for aquatic environment, it must be prevented from reaching surface water. Inform authorities in case of contamination of water or sewage system. Measures for cleaning/collecting: Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically. Dispose of contaminated material as waste according to item 13. Use neutralizing agent. Provide adequate ventilation. Polluted surfaces can be decontaminated with a solution containing 5% sodium bisulphite and 5% sodium bicarbonate. Suitable binder: multi-purpose binder (labelling: V)	

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8.5 Procedures for waste management of the active substance for industry or professional users	Disposal considerations Recommendation Product must be disposed of according to local regulations pertaining to the disposal of hazardous waste. European waste catalogue 16 00 00 WASTES NOT OTHERWISE SPECIFIED IN THE LIST 16 03 00 off-specification batches and unused products 16 03 05 organic wastes containing dangerous substances Contaminated packaging: Recommendation: Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Recommended cleaning agent: The solvent when processing the product, e.g. Glycole.	
8.5.1 Possibility of re-use or recycling	The active substance is manufactured and formulated at THOR. The solvent used in a cleaning process is reused in the next formulation process.	
8.5.2 Possibility of neutralisation of effects	No specific neutralisation procedures are known.	
8.5.3 Conditions for controlled discharge including leachate qualities on disposal	<i>The active substance is not disposed of using controlled discharges or landfill.</i> <i>Contaminated waste will be burned.</i> Low contaminated waste water are analysed and –if it meets internal specifications (< 6 ppm A.S.) – will feed into on-site STP.	
8.5.4 Conditions for controlled incineration	The active substance may be destroyed by controlled incineration in accordance with local or national legislation.	
8.6 Observations on undesirable or unintended side-effects, e.g. on beneficial and other non-target organisms	Not applicable.	
8.7 Identification of any substances falling within the scope of List I or List II of the Annex to Directive 80/68/EEC on the protection of ground water against pollution caused by certain dangerous substances	Not applicable.	

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	Evaluation by Competent Authorities	
	EVALUATION BY RAPPORTEUR MEMBER STATE	
Date		
Materials and Methods		
Results and discussion		
Conclusion		
Reliability		
Acceptability		
Remarks		
	COMMENTS FROM ...	
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