

Sentinel X500 Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 01/06/2017 Revision date: 16/02/2018 Supersedes: 29/05/2017 Version: 2.3 SDS Nr: 12301-0024

SECT	ION 1: Identification of the s	ubstance/mixture and of the company/undertaking
1.1.	Product identifier	
Product	form	: Mixture
Product	name	: Sentinel X500
1.2.	Relevant identified uses of the su	ibstance or mixture and uses advised against
1.2.1.	Relevant identified uses	
	he substance/mixture	: Inhibited antifreeze for central heating systems
056 011		. Initibiled and teeze for central heading systems
1.2.2.	Uses advised against	
	tional information available	
1.3.	Details of the supplier of the safe	ty data sheet
7650 Da Warring T +44 (0	I Performance Solutions LTD aresbury ton, Cheshire, WA4 4BS - Great Brita))1928 704 330 - F +44 (0)1928 562 0 <u>⊉sentinelprotects.com</u>	
1.4.	Emergency telephone number	
Emerge	ncy number	: +44 (0)1928 704 339 (24 hours, 7 days)
SECT	ION 2: Hazards identification	
2.1.	Classification of the substance o	r mixture
Classif Not clas	ication according to Regulation (EC ssified	;) No. 1272/2008 [CLP]
		nd environmental effects ent any particular risk, provided it is handled in accordance with good occupational hygiene and safety
2.2.	Label elements	
	ng according to Regulation (EC) No Iling applicable	. 1272/2008 [CLP]
2.3.	Other hazards	
PBT		: According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.
vPvB		 According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.
SECT	ION 3: Composition/informat	tion on ingredients
3.1.	Substances	
Not app	licable	
3.2.	Mixtures	

Name		Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,2-propanediol substance with national workplace expo	sure limit(s) (GB)	(CAS-No.) 57-55-6 (EC-No.) 200-338-0	80-100	Not classified



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 SDS Nr: 12301-0024

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Gently wash with plenty of soap and water.
First-aid measures after eye contact	: Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Do NOT induce vomiting. Rinse mouth. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effe	
Symptoms/effects after skin contact	: May cause moderate irritation.
Symptoms/effects after eye contact	: May cause slight irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.
	al attention and special treatment needed
Treat symptomatically.	
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 su	ubstance or mixture
Fire hazard	: Not flammable.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Nitrogen oxides. Phosphorus oxides.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release mea	Isures
6.1. Personal precautions, protective er	duipment and emergency procedures
6.1. Personal precautions, protective en General measures	: Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing.
General measures	
General measures 6.1.1. For non-emergency personnel Emergency procedures	: Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing.
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel.
General measures 6.1.1. For non-emergency personnel Emergency procedures	: Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing.
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containmental	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containmers Methods for cleaning up Other information	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containen Methods for cleaning up Other information 6.4. Reference to other sections	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containmental precautions Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 13. For further	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containm Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 13. For for SECTION 7: Handling and storage	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containmental precautions Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 13. For for SECTION 7: Handling and storage 7.1. Precautions for safe handling	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. urther information refer to section 8: "Exposure controls/personal protection".
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containm Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 13. For for SECTION 7: Handling and storage	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. urther information refer to section 8: "Exposure controls/personal protection". Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containmental precautions Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 13. For for SECTION 7: Handling and storage 7.1. Precautions for safe handling Pygiene measures	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. urther information refer to section 8: "Exposure controls/personal protection". Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containmental precautions Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 13. For for SECTION 7: Handling and storage 7.1. Precautions for safe handling	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. urther information refer to section 8: "Exposure controls/personal protection". Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. ing any incompatibilities Store in a well-ventilated place. Keep cool. Store in original container. Keep container closed
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containmental precautions Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 13. For for SECTION 7: Handling and storage 7.1. Precautions for safe handling Pygiene measures 7.2. Conditions for safe storage, include Storage conditions	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. urther information refer to section 8: "Exposure controls/personal protection". Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. ing any incompatibilities Store in a well-ventilated place. Keep cool. Store in original container. Keep container closed when not in use.
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containmental precautions Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 13. For for SECTION 7: Handling and storage 7.1. Precautions for safe handling Pygiene measures 7.2. Conditions for safe storage, include Storage conditions Incompatible materials	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. urther information refer to section 8: "Exposure controls/personal protection". Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. ing any incompatibilities Store in a well-ventilated place. Keep cool. Store in original container. Keep container closed
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containmental precautions Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 13. For for SECTION 7: Handling and storage 7.1. Precautions for safe handling Pygiene measures 7.2. Conditions for safe storage, include Storage conditions Incompatible materials 7.3. Specific end use(s)	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. urther information refer to section 8: "Exposure controls/personal protection". Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. ing any incompatibilities Store in a well-ventilated place. Keep cool. Store in original container. Keep container closed when not in use.
General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions No additional information available 6.3. Methods and material for containmental precautions Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 13. For for SECTION 7: Handling and storage 7.1. Precautions for safe handling Pygiene measures 7.2. Conditions for safe storage, include Storage conditions Incompatible materials	 Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". ment and cleaning up Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. urther information refer to section 8: "Exposure controls/personal protection". Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. ing any incompatibilities Store in a well-ventilated place. Keep cool. Store in original container. Keep container closed when not in use.



Sentinel X500

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 SDS Nr: 12301-0024

SECTION 8: Exposure controls/personal protection

8.1. Control parameter	ers	
1,2-propanediol (57-55-6))	
United Kingdom	Local name	Propane-1,2-diol
United Kingdom	WEL TWA (mg/m³)	474 mg/m ³ Propane-1,2-diol total vapour and particulates; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005); Propane-1,2-diol particulates; 10 mg/m ³ ; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL TWA (ppm)	150 ppm Propane-1,2-diol total vapour and particulates; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (mg/m ³)	1422 mg/m ³ (calculated-total particulate and vapour) 30 mg/m ³ (calculated-particulate)
United Kingdom	WEL STEL (ppm)	450 ppm (calculated-total particulate and vapour)
United Kingdom	Regulatory reference	EH40. HSE

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

Eye protection:

Chemical goggles or safety glasses. EN 166

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

9.1. Information on basic physical and chemical properties Physical state : Liquid Colour : Colourless. Odour : odourless. Odour threshold : No data available pH : 6.2 - 6.6 pH solution : 10 % Aqueous solution , 20°C Relative evaporation rate (butylacetate=1) : No data available Prezing point : No data available Boiling point : No data available Flash point : No data available Playout pressure : No data available Relative density : No data available Relative density : No data available Vapour pressure : No data available Relative density : 1.045 (20°C) Solubility :	SECTION 9: Physical and chemical properties					
ColourColourless.Odour thresholdi odourless.Odour thresholdi No data availablepHi 6.2 - 6.6pH solutioni 10 % Aqueous solution , 20°CRelative evaporation rate (butylacetate=1)i No data availableMelting pointi No data availableFreezing pointi No data availableBoling pointi No data availableBoling pointi No data availableFlash pointi No data availableAuto-ignition temperaturei No data availablePlacomposition temperaturei No data availablePlacomposition temperaturei No data availableVapour pressurei No data availableRelative density at 20 °Ci No data availableRelative densityi No data available	9.1. Information on basic physical and	.1. Information on basic physical and chemical properties				
Odour: odourless.Odour threshold: No data availablepH: 6.2 - 6.6pH solution: 10 % Aqueous solution , 20°CRelative evaporation rate (butylacetate=1): No data availableMelting point: No data availableFreezing point: No data availableForejing point: No data availableFulding point <td>Physical state</td> <td>: Liquid</td>	Physical state	: Liquid				
Odour threshold: No data availablepH: 6.2 - 6.6pH solution: 10 % Aqueous solution , 20°CRelative evaporation rate (butylacetate=1): No data availableMelting point: No data availableFreezing point: No data availableBoiling point: No data availableFlash point: No data availableFlash point: No data availableFucting point: No data availableFucting point: No data availableFlash point: No data availableFucting point: No data availableAuto-ignition temperature: No data availablePecomposition temperature: No data availableVapour pressure: No data availableRelative vapour density at 20 °C: No data availableRelative density: 1.045 (20°C)Solubility: Miscible with water.Log Pow: No data availableViscosity, kinematic: No data available	Colour	: Colourless.				
pH:6.2 - 6.6pH solution:10 % Aqueous solution , 20°CRelative evaporation rate (butylacetate=1):No data availableMelting point:No data availableFreezing point:No data availableBoiling point:No data availableBoiling point:No data availableHato-ignition temperature:No data availableAuto-ignition temperature:No data availablePlammability (solid, gas):No data availableVapour pressure:No data availableRelative vapour density at 20 °C:No data availableRelative density:1.045 (20°C)Solubility:Miscible with water.Log Pow:No data availableViscosity, kinematic:No data available	Odour	: odourless.				
PH solution: 10 % Aqueous solution , 20°CRelative evaporation rate (butylacetate=1): No data availableMelting point: No data availableFreezing point: No data availableBoiling point: No data availableBoiling point: No data availableHathonian (Construction): No data availableBoiling point: No data availableFlash point: No data availableAuto-ignition temperature: No data availableDecomposition temperature: No data availableFlammability (solid, gas): No data availableVapour pressure: No data availableRelative vapour density at 20 °C: No data availableRelative density: 1.045 (20°C)Solubility: No data availableLog Pow: No data availableViscosity, kinematic: No data available	Odour threshold	: No data available				
Relative evaporation rate (butylacetate=1): No data availableMelting point: No data availableFreezing point: No data availableBoiling point: No data availableFlash point: No data availableAuto-ignition temperature: No data availableDecomposition temperature: No data availableFlammability (solid, gas): No data availableVapour pressure: No data availableRelative density at 20 °C: No data availableSolubility: No data availableLog Pow: Miscible with water.Log Pow: No data availableViscosity, kinematic: No data available	pH	: 6.2 - 6.6				
Melting point:No data availableFreezing point:No data availableBoiling point:No data availableFlash point:No data availableFlash point:No data availableAuto-ignition temperature:No data availableDecomposition temperature:No data availableFlammability (solid, gas):No tata availableVapour pressure:No data availableRelative vapour density at 20 °C:No data availableRelative density:1.045 (20°C)Solubility:Miscible with water.Log Pow:No data availableViscosity, kinematic:No data available	pH solution	: 10 % Aqueous solution, 20°C				
Freezing point: No data availableBoiling point: No data availableFlash point: No data availableAuto-ignition temperature: No data availableDecomposition temperature: No data availableFlammability (solid, gas): No data availableVapour pressure: No data availableRelative vapour density at 20 °C: No data availableRelative density: 1.045 (20°C)Solubility: No data availableLog Pow: No data availableViscosity, kinematic: No data available	Relative evaporation rate (butylacetate=1)	: No data available				
Boiling point: No data availableFlash point: No data availableAuto-ignition temperature: No data availableDecomposition temperature: No data availableDecomposition temperature: No data availableFlammability (solid, gas): No data available, Not flammableVapour pressure: No data availableRelative vapour density at 20 °C: No data availableRelative density: 1.045 (20°C)Solubility: Miscible with water.Log Pow: No data availableViscosity, kinematic: No data available	Melting point	: No data available				
Flash point: No data availableAuto-ignition temperature: No data availableDecomposition temperature: No data availableFlammability (solid, gas): Not applicable,Not flammableVapour pressure: No data availableRelative vapour density at 20 °C: No data availableRelative density: 1.045 (20°C)Solubility: Miscible with water.Log Pow: No data availableViscosity, kinematic: No data available	Freezing point	: No data available				
Auto-ignition temperature: No data availableDecomposition temperature: No data availableFlammability (solid, gas): Not applicable,Not flammableVapour pressure: No data availableRelative vapour density at 20 °C: No data availableRelative density: 1.045 (20°C)Solubility: Miscible with water.Log Pow: No data availableViscosity, kinematic: No data available	Boiling point	: No data available				
Decomposition temperature: No data availableFlammability (solid, gas): Not applicable,Not flammableVapour pressure: No data availableRelative vapour density at 20 °C: No data availableRelative density: 1.045 (20°C)Solubility: Miscible with water.Log Pow: No data availableViscosity, kinematic: No data available	Flash point	: No data available				
Flammability (solid, gas): Not applicable,Not flammableVapour pressure: No data availableRelative vapour density at 20 °C: No data availableRelative density: 1.045 (20°C)Solubility: Miscible with water.Log Pow: No data availableViscosity, kinematic: No data available	Auto-ignition temperature	: No data available				
Vapour pressure: No data availableRelative vapour density at 20 °C: No data availableRelative density: 1.045 (20°C)Solubility: Miscible with water.Log Pow: No data availableViscosity, kinematic: No data available	Decomposition temperature	: No data available				
Relative vapour density at 20 °C: No data availableRelative density: 1.045 (20°C)Solubility: Miscible with water.Log Pow: No data availableViscosity, kinematic: No data available	Flammability (solid, gas)	: Not applicable, Not flammable				
Relative density: 1.045 (20°C)Solubility: Miscible with water.Log Pow: No data availableViscosity, kinematic: No data available	Vapour pressure	: No data available				
Solubility: Miscible with water.Log Pow: No data availableViscosity, kinematic: No data available	Relative vapour density at 20 °C	: No data available				
Log Pow : No data available Viscosity, kinematic : No data available	Relative density	: 1.045 (20°C)				
Viscosity, kinematic : No data available	Solubility	: Miscible with water.				
	Log Pow	: No data available				
Viscosity, dynamic : No data available	Viscosity, kinematic	: No data available				
	Viscosity, dynamic	: No data available				



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 SDS Nr: 12301-0024

Explosi	ve properties	: Product is not explosive.
Oxidising properties		: Non oxidizing.
Explosi	ve limits	: No data available
9.2.	Other information	
No add	itional information available	
SECT	ION 10: Stability and re	activity
10.1.	Reactivity	
The pro	oduct is non-reactive under norr	nal conditions of use, storage and transport.
10.2.	Chemical stability	
Stable	under normal conditions.	
10.3.	Possibility of hazardous re	actions
No dan	gerous reactions known under	normal conditions of use.
10.4.	Conditions to avoid	
Extrem	ely high or low temperatures.	
10.5.	Incompatible materials	
Strong oxidizing agent. Acids. alkalis.		
10.6.	Hazardous decomposition	products
Carbon	monoxide. Carbon dioxide. Nit	rogen oxides. Phosphorus oxides.
SECT	ION 11. Toxicological i	oformation

SECTION 11: Toxicological info	ormation	
11.1. Information on toxicological	effects	
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	
1,2-propanediol (57-55-6)		
LD50 oral rat	20000 mg/kg	
LD50 dermal rat	22500 mg/kg	
LD50 dermal rabbit	20800 mg/kg	
Skin corrosion/irritation	: Not classified	
	pH: 6.2 - 6.6	
Serious eye damage/irritation	: Not classified	
	pH: 6.2 - 6.6	
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 inf	formation
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
Sentinel X500	
LC50 fish 1	> 44000 mg/l 96 h, Oncorhynchus mykiss (Rainbow trout)
EC50 Daphnia 1	> 4850 mg/l 48 h, Daphnia magna
1,2-propanediol (57-55-6)	
LC50 fish 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	34400 mg/l
16/02/2018	GB - en 4/6



Sentinel X500

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 SDS Nr: 12301-0024

12.2. Persistence and degradability			
Sentinel X500			
Persistence and degradability	Biodegradable.		
Biodegradation	> 28 % 28 days		
12.3. Bioaccumulative potential			
Sentinel X500			
Bioconcentration factor (BCF REACH)	<1		
12.4. Mobility in soil			
Sentinel X500			
Ecology - soil	Mobility in soil.		
12.5. Results of PBT and vPvB assessment			
No additional information available			
2.6. Other adverse effects			
No additional information available	additional information available		

SECTION 13: Disposal considerations 13.1. Waste treatment methods Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. Product/Packaging disposal recommendations : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID	
14.1. UN number					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper shippi	ng name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport hazard	class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing group	14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
	No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

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



Sentinel X500

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 SDS Nr: 12301-0024

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

Chemical safety assessment 15.2.

No chemical safety assessment has been carried out

SECTION 16: Other information

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative
Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

ata sources

008 OF TH E EUROP 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.

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