



**MATERIAL SAFETY DATA SHEET FOR
BOSS™ X-PO20 – 16910327 & 16910338**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product type:	X-PO20
Intended use:	A descalant
Trade Name:	BOSS X-PO20 DESCALING AGENT
Supplier of product:	The BSS Group Ltd
Registered Office:	Travis Perkins PLC, Lodge Way House, Lodge Way, Harlestone Road, Northampton NN5 7UG.
Telephone/Fax Numbers:	0116 245 5500 / 0116 218 2214
E-mail Address	reception@bssgroup.com
Web site Address	www.bssindustrial.co.uk

2. HAZARD IDENTIFICATION

Classification of the substance or mixture	
Classification under CLP:	This product has no classification under CLP
Label Elements under CLP:	
Hazard statements:	
Signal word:	
Hazard pictograms:	This product has no label elements
Precautionary statements:	
Other hazards	
PBT:	This substance is not identified as a PBT substance

3. COMPOSITION/INFORMATION ON INGREDIENTS.

Hazardous ingredients					
Ingredients	EINECS	CAS	Reach Reg No.	CLP Class	Percent
2- PHOSPHONOBUTANE- 1,2,4- TRICARBOXYLIC ACID, POTASSIUM SALT	299-311-4	93858-78-7		Eye Irrit. 2	1-10%
BRONOPOL (INN)	200-143-0	52-51-7	01- 2119980938-15	AcuteTox.4: H302;AcuteTox.4: H302;STOTSE3: H335;SkinIrrit.2: H315;EyeDam.1: H318;AquaticAcute1: H400	<1%
Contains:					

4. FIRST AID MEASURES

Description of first aid measures	
Skin Contact:	Wash immediately with plenty of soap and water.
Eye Contact:	Bathe the eye with running water for 15 minutes.
Ingestion:	Wash out mouth with water.
Inhalation:	Consult a doctor.
Most important symptoms and effects, both acute and delayed	
Skin Contact:	There may be mild irritation at the site of contact.
Eye Contact:	There may be irritation and redness.
Ingestion:	There may be irritation of the throat.
Inhalation:	No symptoms.

5. FIRE FIGHTING MEASURES

Extinguishing media	
Extinguishing media:	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
Special hazards arising from the substance or mixture	
Exposure hazards:	In combustion emits toxic fumes.
Advice for fire-fighters	
Advice for fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	
Personal precautions:	Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental precautions	
Environmental precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.
Methods and material for containment and cleaning up	
Clean-up procedures:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method
Reference to other sections	
Reference to other sections:	Refer to section 8 of SDS.

7. HANDLING AND STORAGE:

Precautions for safe handling	
Handling Requirements:	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.
Conditions for safe storage, including any incompatibilities	
Storage conditions:	Store in cool, well ventilated area. Keep container tightly closed.:
Suitable packaging	Must only be kept in original packaging.
Specific end use(s)	
Specific end use(s):	No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters	
DNEL/PNEC Values	
DNEL / PNEC:	No data available
Exposure controls	
Engineering measures:	Ensure there is sufficient ventilation of the area.
Respiratory Protection:	Respiratory protection not required.
Hand Protection:	Protective gloves.
Eye Protection:	Safety glasses. Ensure eye bath is to hand.
Skin Protection:	Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties			
State:	Liquid	Solubility in water:	Miscible in all proportions
Colour:	Clear/pale yellow solution	Relative density:	1.082 pH: 5-6.5
Odour:			
Viscosity Test Method:			
Boiling Point/Range:		Melting Point/Range:	
Vapour Press:			
Other information			
Other information:	No data available		

10. STABILITY AND REACTIVITY

Reactivity	
Reactivity:	Stable under recommended transport or storage conditions.
Chemical stability	
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions	
Hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials
Conditions to avoid	
Conditions to avoid:	Heat.
Incompatible materials	
Materials to avoid:	Strong oxidising agents. Strong acids
Hazardous decomposition products	
Hazardous decomposition products:	In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Toxicological information				
Information on toxicological effects				
BRONOPOL(INN)				
SKN	RAT	LD50	1600	mg/kg
SKN	MUS	LD50	4750	mg/kg
ORL	RAT	LD50	180	mg/kg
ORL	MUS	LD50	270	mg/kg
Effects of mixture:	Calculated			
Symptoms / routes of exposure				
Skin Contact:	There may be mild irritation at the site of contact.			
Eye Contact:	There may be irritation and redness.			
Ingestion:	There may be irritation of the throat.			
Inhalation:	No symptoms.			

12. ECOLOGICAL INFORMATION

Toxicity	
Ecotoxicity values:	Not applicable
Persistence and degradability	
Persistence and degradability:	Biodegradable
Bioaccumulative potential	
Bioaccumulative potential:	No bioaccumulation potential.
Mobility in soil	
Mobility in solid:	Readily absorbed into soil.
Results of PBT and vPvB assessment	
PBT identification:	This substance is not identified as a PBT substance
Other adverse effects	
Other adverse effects:	Negligible ecotoxicity

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	
Disposal operations:	Transfer to a suitable container and arrange for collection by specialised disposal company.
Disposal of packaging:	Return empty containers to the supplier for recycling. Damaged containers should be destroyed by cutting up or by incineration. Do not use for potable water.
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

UN Number	
UN number:	-
UN Proper shipping name	
Shipping name:	NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.
Transport hazard class(es)	
Transport class:	
Packing Group	
Packing group:	
Special precautions for user	
Tunnel Code:	
Transport category:	

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	
Chemical Safety Assessment	
Chemical safety assessment:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. OTHER INFORMATION

Chemical safety assessment:	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010
Phrases used in s.2 and 3:	H302: Harmful if swallowed. H312: Harmful in contact with skin. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H400: Very toxic to aquatic life. R21/22: Harmful in contact with skin and if swallowed. R36: Irritating to eyes. R37/38: Irritating to respiratory system and skin. R41: Risk of serious damage to eyes. R50: Very toxic to aquatic organisms.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.