



NORTHERN ENVIRONMENTAL



MATERIAL SAFETY DATA SHEET

Document No.: B1785
Rev No.:4
Approved Date:16.10.2006

SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME Terminal Sanitizer with Byotrol
CATALOGUE NO.

30440301425FA1	5 Ltr
30440301425JA1	20 Ltr
30440301425HA1	200 Ltr
30440301425IA1	1000 Ltr

INTENDED USE TERMINAL SANITISER CONCENTRATE

SUPPLIER NORTHERN ENVIRONMENTAL SUPPLIES LTD
427B THORP ARCH TRADING ESTATE
WETHERBY
LEEDS. LS23 7BJ

EMERGENCY Phone: 0044 (0) 7854 96 22 95
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SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

DESCRIPTION: Terminal Sanitizer Concentrate

CAS: 57-55-6	propane-1,2-diol	2.5%-10%
CAS: 64-17-5	ethanol F; R 11	2.5%-10%
CAS: 61789-71-7	Coco alkyl dimethylbenzyl ammonium chloride C,Xn; N; R 21/22-34-50	2.5%-10%
CAS: 7173-51-5	didecyldimethylammonium chloride C;Xn; R 22-34	2.5%-10%
CAS: 52-51-7	bronopol (INN) Xn, N; R 21/22-37/38-41-50	2.5%-10%
CAS: 33289-58-0	Poly Hexa Methylene Biguanide Polymer Xi;N;R 36/38-43-50	≤2.5%
CAS: 67-63-0	Propan-2-ol Xi;F; R11-36-67	≤2.5%

SECTION 3: HAZARDS IDENTIFICATION



Xi Irritant

INFORMATION CONCERNING PARTICULAR HAZARDS FOR HUMAN AND ENVIRONMENT:

R38 IRRITATING TO SKIN.

R41 RISK OF SERIOUS DAMAGE TO EYES

R43 MAY CAUSE SENSITATION BY SKIN CONTACT

R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG -TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

SECTION 4: FIRST-AID MEASURES

IN CASE OF:

SKIN CONTACT:

Immediately wash with water and soap and rinse thoroughly.

EYE CONTACT:

Rinse open eye for several minutes under running water. Then consult a Doctor



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INHALATION: Supply fresh air and be sure to call a Doctor. In case of unconsciousness place patient stably in side position for transportation.
INGESTION: If symptoms persist seek medical attention

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING AGENT: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective Equipment: Put on breathing apparatus.

PROTECTIVE EQUIPMENT: Put on breathing apparatus

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear protective equipment. Keep unprotected persons away.
COLLECTING AND CLEANING: Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

ENVIRONMENTAL PROTECTION: Do not allow to enter sewers/surface or ground water

SECTION 7: HANDLING AND STORAGE

HANDLING PRECAUTIONS: Ensure good ventilation/extraction at the workplace. Prevent formation of aerosols

STORAGE: NO SPECIAL REQUIREMENTS

KEEP IGNITION SOURCES AWAY-DO NOT SMOKE

FURTHER INFORMATION ABOUT STORAGE CONDITIONS: KEEP RECEPTACLE TIGHTLY SEALED.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredients with limit values that require monitoring at the workplace:

57-55-6 propane-1,2-diol

OES Long-term value: 474* 10** mg/m³, 150* ppm *total (vapour and particulates) **particulates

64-17-5 ethanol

OES Long-term value: 1920 mg/m³, 1000 ppm

67-63-0 propanol-2-ol

OES Short-term value: 1250mg/m³, 500 ppm

Long-Term Value: 999 mg/m³, 400 ppm

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove from all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self contained respiratory protective device.

Use suitable respiratory device in case of insufficient ventilation.

Protection of hands: Gloves must be worn.

Eye protection: Tightly sealed Goggles.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Fluid

ODOUR: Characteristic

Density @ 20°C Not determined

Flashpoint N/A

Auto Ignition Temp. Not Self Igniting

Solubility in water fully soluble

SECTION 10: STABILITY AND REACTIVITY

No decomposition if used according to specifications

No dangerous reactions known.



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No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Primary irritant effect:

On the eye: Strong irritant with the danger of severe eye injury.

On the skin: Irritant to skin and mucous membranes.

Sensitization: Sensitization possible through skin contact

SECTION 12: ECOLOGICAL INFORMATION

General notes:

Water hazard class 3 (German Regulation) (Self-assessment):extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

SECTION 13: DISPOSAL CONSIDERATIONS

MUST NOT BE DISPOSED OF TOGETHER WITH HOUSEHOLD GARBAGE. DO NOT ALLOW PRODUCT TO REACH SEWAGE SYSTEM.
DISPOSAL MUST BE MADE ACCORDING TO OFFICIAL REGULATIONS

SECTION 14: TRANSPORT INFORMATION

LAND TRANSPORT: No special requirements
AIR TRANSPORT: No special requirements
MARITIME TRANSPORT: No special requirements

SECTION 15: REGULATORY INFORMATION

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

Code letter and designation of product:

Xi Irritant

Hazard determining components of labelling:

Poly (1-hexamethylenebiguanide hydrochloride)

Risk Phrases:

38 Irritating to skin

41 Risk of serious damage.

43 May cause sensitization by skin contact.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety Phrases:

3/7 Keep container tightly closed in a cool place.

16 Keep away from sources of ignition-No smoking

24 Avoid contact with skin

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37/39 Wear suitable gloves and eye/face protection.

61 Avoid release to the environment. Refer to special instruction/safety data sheets

Waterhazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.

SECTION 16: OTHER INFORMATION:

The information in this document is believed to be correct at the time of publication but is provided without any warranty of any kind. The user of our products is solely responsible for observing any laws and guidelines governing his activity.

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