

REVISION DATE: 9th July 2008

Butyl Glycol

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Keep containers tightly closed. Keep in original container. Suitable containers: mild steel, stainless steel.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
2-BUTOXYETHANOL	WEL	25 ppm(Sk)		50 ppm(Sk)	

PROTECTIVE EQUIPMENT



RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Butyl rubber gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Colourless		
ODOUR	Slightly pungent odour		
SOLUBILITY	Soluble in water.		
BOILING POINT (°C)	168 - 173	MELTING POINT (°C)	-70
RELATIVE DENSITY	0.904	VAPOUR DENSITY (air=1)	4.1
VAPOUR PRESSURE	120 Pa 25°C	EVAPORATION RATE	89 (EtEt=1)
VISCOSITY	3.2 mPas 25°C	FLASH POINT (°C)	68 CC (Closed cup).
AUTO IGNITION TEMPERATURE (°C)	240	PARTITION COEFFICIENT (N-Octanol/Water)	0.76/ 0.90

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

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MATERIALS TO AVOID

Strong oxidising substances. Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of: Carbon.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 470 mg/kg (oral rat)

TOXIC CONC. - LC 50 2.4 mg/l/4h (inh-rat)

INHALATION

Harmful by inhalation.

INGESTION

Harmful if swallowed.

SKIN CONTACT

Harmful in contact with skin.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l 1700

EC 50, 48 Hrs, DAPHNIA, mg/l >1000

MOBILITY

The product is soluble in water.

DEGRADABILITY

The product is easily biodegradable.

WATER HAZARD CLASSIFICATION

WGK 1

COD 2.3

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Do not puncture or incinerate even when empty.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

GENERAL Not regulated.

15 REGULATORY INFORMATION

LABELLING



Harmful

CONTAINS

2-BUTOXYETHANOL

RISK PHRASES

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36/38 Irritating to eyes and skin.

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SAFETY PHRASES

S36/37	Wear suitable protective clothing and gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations
Dangerous for Supply.

GUIDANCE NOTES

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

16 OTHER INFORMATION

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REV. NO./REPL. SDS GENERATED 13

SDS NO. B024

SAFETY DATA SHEET STATUS

Approved.

DATE 26th Janaury 2007

SIGNATURE Jitendra Panchal

RISK PHRASES IN FULL

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36/38 Irritating to eyes and skin.