

SHIFT

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT CODE:
PRODUCT NAME: SHIFT
SUPPLIER: Clena Systems
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2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME CAS No.:	EINECS Nr.:	CLASSIFICATION	CONTENT
2-BUTOXYETHANOL 203-905-0	111-76-2	Xn;R20/21/22 Xi;R36/38	1-5 %
ANIONIC SURFACTANT		Xi;R36/37/38.	1-5 %
DISODIUM METASILICATE 229-912-9	6834-92-0	C;R34 Xi;R37	1-5 %
Sodium dodecyl benzene sulphonate	85117-50-6	Xi;R36/38.	5-10 %
Trisodium nitrilotriacetate 225-768-6	5064-31-3	Xn;R22. Xi;R36.	5-10 %

The full text for all R-Phrases are displayed in Section 16

3. HAZARDS IDENTIFICATION

R36/38 Irritating to eyes and skin.

4. FIRST AID MEASURES

INHALATION: Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION: Remove victim immediately from source of exposure. DO NOT INDUCE VOMITING!, Rinse mouth thoroughly. Drink plenty of water. Get medical attention.

SKIN: Remove affected person from source of contamination. Remove contaminated clothing. Rinse the skin immediately with lots of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES: Use water to keep fire exposed containers cool and disperse vapours.

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS: Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

ENVIRONMENTAL PRECAUTIONS: Any spillage needs to be contained and not allowed to enter water courses

7. HANDLING AND STORAGE

USAGE PRECAUTIONS: Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS: Store in tightly closed original container in a dry and cool place. Keep in original container.

SHIFT

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
2-BUTOXYETHANOL		WEL	25	50

PROTECTIVE EQUIPMENT:



9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, Liquid
COLOUR:	Dark, Blue
ODOUR:	Solvent.
DENSITY/SPECIFIC GRAVITY(g/ml)	1.114 - 1.124
pH-VALUE, CONC. SOLUTION:	>13.0
SOLUBILITY:	Soluble in water

10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal temperature conditions.
HAZARDOUS COMPOSITION PRODUCTS:	Fire or high temperatures create:, Toxic gases/vapours/fumes of:, Carbon dioxide (CO2). Carbon monoxide (CO).

11. TOXICOLOGY INFORMATION

INHALATION:	May cause irritation to the respiratory system.
INGESTION:	Liquid irritates mucous membranes and may cause abdominal pain if swallowed. May cause stomach pain or vomiting.
SKIN CONTACT:	Irritating to skin. Prolonged or repeated exposure may cause severe irritation.
EYE CONTACT:	Irritation of eyes and mucous membranes.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	Not classed as Hazardous to the Environment but release to the environment should be avoided.
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13. DISPOSAL CONSIDERATIONS

DISPOSABLE METHODS:	Dispose of waste and residues in accordance with local authority requirements.
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SHIFT

14. TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



UK ROAD TRANSPORT CLASS:	8
UK ROAD PACK GR.:	III
ADR CLASS NO.:	8
ADR CLASS:	Class 8: Corrosive substances.
PROPER SHIPPING NAME I:	CORROSIVE LIQUID, NOS (Sodium hydroxide,Trisodium nitrilotriacetate)
UN No SEA:	1760
IMDG CLASS:	8
UN NO. AIR:	1760
ICAO CLASS:	8

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:



RISK PHRASES:	R36/38 Irritating to eyes and skin.
SAFETY PHRASES:	S2 Keep out of the reach of children, S23 Do not breathe vapour/spray, S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S46 If swallowed, seek medical advice immediately and show this container or label. S51 Use only in well-ventilated areas.
STATUTORY INSTRUMENTS:	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
APPROVED CODE OF PRACTICE:	Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES:	Workplace Exposure Limits EH40. CHIP for everyone HSG(108).
DETERGENT LABELLING:	
	< 5% Amphoteric surfactants
	5-15% Anionic surfactants
	15-30% NTA (nitrilotriacetic acid) and

16. OTHER INFORMATION

USER NOTES:	The following risk phrases relate to the raw materials in the product and not the product itself:-
REVISION DATE:	21/04/2006
REV. NO./REPL. SDS GENERATED:	3
R-PHRASES (Full Text):	R20/21/22 Harmful by inhalation, in contact with skin and if swallowed., R36/38 Irritating to eyes and skin. R34 Causes burns., R37 Irritating to respiratory system. R36/37/38 Irritating to eyes, respiratory system and skin. R36/38 Irritating to eyes and skin. R22 Harmful if swallowed., R36 Irritating to eyes.