SAFETY DATA SHEET
F181 - TRIPLE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: F181 - TRIPLE

PART No.: 1494

SUPPLIER:
Selden Research Limited
Ashbourne Road Buxton
Derbyshire
SK17 9RZ
Tel: 01298 26226
Fax: 01298 26540

2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME	CAS No.:	EINECS Nr.:	CLASSIFICATION	CONTENT
ALCOHOL ETHOXYLATE			Xi R-41	5-10 %
2-BUTOXYETHANOL	111-76-2	203-905-0	Xn R-20/21/22, 36/38	5-10 %
ANIONIC SURFACTANT			Xi R-36/37/38	1-5 %
SODIUM HYDROXIDE	1310-73-2	215-185-5	C R-35	1-5 %
TRISODIUM NITRILO TRIACETE (40% ACTIVE)	5064-31-3		Xi R-36	5-10 %

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION

Causes burns.

4. FIRST AID MEASURES

GENERAL: CAUTION! First Aid personnel must be aware of own risk of burns. Chemical burns must be dealt with immediately, do not delay.

INHALATION: Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

INGESTION: DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately!

SKIN: Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention immediately.

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: This material is not combustible. Use extinguishing media appropriate for surrounding fire. Use: Dry chemicals, sand, dolomite etc. Foam. Water spray.

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

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS: Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Inform Authorities if large amounts are involved.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS: Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS: Store separated from: Acids.

STORAGE CRITERIA: Controlled substance storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
2-BUTOXYETHANOL	111-76-2	OES	25 ppm(Sk)	50 ppm(Sk)
SODIUM HYDROXIDE	1310-73-2	OES	No std.	2 mg/m3

PROTECTIVE EQUIPMENT:



PROCESS CONDITIONS: Use engineering controls to reduce air contamination to permissible exposure level.

VENTILATION: Provide adequate general and local exhaust ventilation.

RESPIRATORS: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

PROTECTIVE GLOVES: Use protective gloves.

EYE PROTECTION: Wear full face visor or shield.

OTHER PROTECTION: Wear suitable protective clothing as protection against splashing or contamination.

HYGIENIC WORK PRACTICES: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Contaminated clothing to be placed in closed container until disposal or decontamination. Warn cleaning personnel of chemical´s hazardous properties.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear. Liquid.

COLOUR: Blue.

ODOUR/TASTE: Solvent.

DENSITY/SPECIFIC GRAVITY (g/ml): 1.069 - 1.079 **Temperature (°C):** 20

pH-VALUE, CONC. SOLUTION: >13.0

SOLUBILITY DESCRIPTION: Soluble in water.

10. STABILITY AND REACTIVITY

STABILITY: Normally stable.

CONDITIONS TO AVOID: Avoid contact with acids.

11. TOXICOLOGICAL INFORMATION

INHALATION: May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION: Causes burns. Harmful if swallowed.

SKIN: Causes burns.

EYES: Causes burns. Risk of serious damage to eye.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



UN No. ROAD: 1760

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:	R-34 Causes burns.
SAFETY PHRASES:	S-1/2 Keep locked up and out of the reach of children. S-24/25 Avoid contact with skin and eyes. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-27 Take off immediately all contaminated clothing. S-28A After contact with skin, wash immediately with plenty of water. S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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:	Occupational Exposure Limits EH40. CHIP for everyone HSG(108).

16. OTHER INFORMATION

USER NOTES:	The following risk phrases relate to the raw materials in the product and not the product itself:-
REVISION DATE:	February 2003
REV. No./REPL. SDS GENERATED:	3
PRINTING DATE:	2003-11-05
R-PHRASES (Full Text):	R-36/37/38 Irritating to eyes, respiratory system and skin. R-41 Risk of serious damage to eyes. R-20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R-36/38 Irritating to eyes and skin. R-35 Causes severe burns. R-36 Irritating to eyes.