

Material Safety Data Sheet
FLUX-OFF AQUEOUS, ES132
ES132 1.00 US EA 05.06.2000 MSDS_Europe

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code

ES132

Product Type

Preparation

Trade Name

FLUX-OFF AQUEOUS, ES132E

Manufacturer/Supplier

ITW-Chemtronics

Address

Rocol House
Swillington Leeds
LS26 8BS
United Kingd

Phone Number

+44 (0) 1132322625

Chemtrec Number

International Call collect 703-527-3887

MSDS data revised

22 February 2001

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Hazardous Components in Product for EC

Component Name	Codes	Concentration	R Phrases	Classification
DIPROPYLENE GLYCOL	034590-94-8	10.00 -20.00%	R36/38	Xi
METHYL ETHER	252-104-2			
3-BUTOXYPROPAN-2-OL	005131-66-8	5.00 -10.00%	R36/38	Xi
	225-878-4			
NONYLPHENOL ETHOXYLATE	068412-54-4	1.00 -5.00%	R22, R36/38	Xn
R22			R22 Harmful if swallowed.	
R36/38			R36/38 Irritating to eyes and skin.	
Xi			Xi - Irritant	
Xn			Xn - Harmful	

3. HAZARD IDENTIFICATION

Main Hazards

R36/38 Irritating to eyes and skin.

Health Effects - Eyes

Liquid may cause pain, transient irritation and superficial corneal effects.

Health Effects - Skin

Material will cause irritation. Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.

Health Effects - Ingestion

Swallowing may have the following effects:

- irritation of mouth, throat and digestive tract

Health Effects - Inhalation

Exposure to vapor at high concentrations may have the following effects:

- irritation of nose, throat and respiratory tract - dizziness - nausea - fatigue - headache

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4. FIRST AID MEASURES

First Aid - Eyes

Immediately flood the eye with plenty of water, preferably warm, for at least 20 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

First Aid - Skin

Wash skin with soap and water. Obtain medical attention if blistering occurs or redness persists.

First Aid - Ingestion

Wash out mouth with water. Do not induce vomiting. Obtain medical attention.

First Aid - Inhalation

Remove from exposure. Do not use mouth to mouth ventilation. If there is difficulty in breathing, give oxygen. If breathing stops or shows signs of failing, give artificial respiration.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Use foam, dry chemical or carbon dioxide.

Unusual Fire and Explosion Hazards

This product may give rise to hazardous fumes in a fire.

Protective Equipment for Fire-Fighting

Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures

Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Finally flush area with plenty of water.

Personal Precautions

Material can create slippery conditions underfoot.

Environmental Precautions

Prevent the material from entering drains or water courses.

7. HANDLING AND STORAGE

Handling

Use in well ventilated area. Avoid contact with eyes, skin and clothing.

Storage

Storage temperature should be controlled to between 1 and 40 °C. Storage area should be: - dry - well ventilated - out of direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

3-BUTOXYPROPAN-2-OL None assigned.

DIPROPYLENE GLYCOL An exposure limit of 100ppm is recommended.
METHYL ETHER

NONYLPHENOL ETHOXYLATE N/A

Engineering Control Measures

Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

Respiratory Protection

Respiratory protection not normally required.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hand Protection

- PVC or rubber gloves

Eye Protection

Chemical goggles must be worn.

Body Protection

Normal work wear.

Protection During Application

During application, adequate ventilation must be provided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Liquid

Colour

Almost colorless

Odour

Mild

pH

12 - 14

Boiling Range/Point (°C/F)

100 C

Flash Point (PMCC) (°C/F)

>100 C

Density

1.03. (measured as kg/litre)

Solubility in Water

Completely soluble

Evaporation Rate

1 (referenced as n-butyl acetate = 1)

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

- High temperatures

Materials to Avoid

- Strong oxidizing agents - Alkalis - Aluminum - Zinc

Hazardous Decomposition Products

Combustion will generate: - oxides of carbon - smoke, possibly thick and choking, resulting in zero visibility

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Low order of acute toxicity.

12. ECOLOGICAL INFORMATION

Mobility

The product is volatile/gaseous and will partition to the air phase.

Persistence/Degradability

The product is expected to be resistant to biodegradation.

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13. DISPOSAL

Product Disposal

Dispose of in accordance with all applicable local and national regulations.

Container Disposal

Labels should not be removed from containers until they have been cleaned. Dispose of containers with care. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

UN Number

Not regulated

IATA

Not regulated

15. REGULATORY INFORMATION

Labelling Information

R Phrases

None

S phrases

S24/25 Avoid contact with skin and eyes. S2 Keep out of reach of children.

16. OTHER INFORMATION

None
