

SAFETY DATA SHEET

Restore Tornado

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

SUBSTANCE NAME: **Restore Tornado**

PRODUCT CODE: **JCT5/25**

COMPANY IDENTIFICATION: **RESTORMATE, Unit 58A South Nelson Industrial Estate,
Cramlington, Northumberland, NE23 1WF**

EMERGENCY TELEPHONE: **01670 590099**

FAX: **01670 898670**

2. HAZARD IDENTIFICATION



HAZARD STATEMENT	PRECAUTIONARY STATEMENT
CAUSES SKIN IRRITATION CAUSES EYE IRRITATION MAY BE HARMFUL IF SWALLOWED	KEEP OUT OF REACH OF CHILDREN. WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. IF IN EYES RINSE WITH CLEAN WATER FOR SEVERAL MINUTES. REMOVE CONTACTS IF PRESENT AND EASY TO DO. CONTINUE RINSING. IF ON SKIN WASH WITH SOAPY WATER. IF SWALLOWED RINSE MOUTH AND DO NOT INDUCE VOMITING.

	CONTENTS	CAS No	HEALTH RISK	
			Class	Risk No
Water	<40%			None
N T A	<4%	5064-31-3	Xi	R36/38
Fatty Acid Ethoxylate	<5%	68439-45-2	Xn	R22/41
Alkyl Dimethylamine Betain	<10%	61789-4-2	Xn	R22/41
Sodium Hydroxide	<2%	1310-73-2	C	R36/38
Potassium Hydroxide	<2%	1310-58-3	C	R36/38
Dye	<.05%	N/A		None

4. FIRST AID MEASURES

EYES: Promptly wash eyes with lots of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

SKIN: Promptly wash contaminated skin with soap or mild detergent and water. Get medical attention if irritation persists after washing.

INHALATION: No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt: GET MEDICAL ATTENTION PROMPTLY!

INGESTION: DO NOT induce vomiting. Get medical attention immediately. Promptly let affected drink lots of water to dilute the swallowed chemical. Give milk instead of water if readily available. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

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5. FIRE FIGHTING MEASURES

Non-flammable, although fire creates carbon dioxide (CO₂) and carbon monoxide (CO)

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS: Collect with absorbent, non-combustible material into suitable containers. Containers to be collected by waste disposal contractors. Wear suitable protective clothing. Care must be taken as there is a slip hazard.

Prevent entry of product into drains and waterways. Contact local authorities if product enters waterways.

7. HANDLING & STORAGE

USAGE PRECAUTIONS: Read and follow manufacturers recommendations. As with all chemical materials care should be taken to avoid splashing or other direct contact with the product when handling. Appropriate impervious clothing should be worn as well as eye protection. Skin contact will cause reddening and soreness may result, if not removed quickly. Contact with eyes will cause immediate severe irritation. Dilute solutions will be less aggressive, however direct contact with skin or eyes should be avoided. Ingestion of the product will cause severe internal upset.

STORAGE PRECAUTIONS: Keep in cool, dry ventilated storage and closed containers. Store isolated from oxidizing materials.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	STD	
Potassium Hydroxide	WEL	1 mgm-3
Sodium Hydroxide	WEL	1 mgm-3
Fatty Acid Ethoxylate	No standard	
Personal protection:- Wear P.V.C or rubber gloves, goggles & facemask.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red Liquid
Odour/Taste	Slight Fatty Amine
Solubility	Water soluble
Solubility Value	N/A
Specific Gravity	1.04 g/ml
Evaporation Rate (BuAc=1)	N/A
Vapour Pressure (mmHg)	
Vapour Density (air=1)	
Melting Point (C)	
Boiling Point (C)	
Viscosity	
pH-Value	13.0
Flash Point Method P/M Pensky-Martins	N/A
Auto Ignition Temperature (C)	N/A
Flammability Limit: - lower %:	N/A
Flammability Limit: - upper %:	N/A

10. STABILITY AND REACTIVITY

MATERIALS TO AVOID: Strong oxidizing agents. No hazardous reactions or polymerisations known.

11. TOXICOLOGICAL INFORMATION

TOXIC DOSE (LD50)	N/A
TOXIC CONS (LC50)	N/A

12. ECOLOGICAL INFORMATION

All detergent in this formulation are thought to be biodegradable. Inorganic substances are not biodegradable.

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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Contact local waste companies.

14. TRANSPORT INFORMATION

UN No:

ADR CLASS No:

AIR TRANSPORT CLASS No:

AIR SUB CLASS:

AIR PACK GR.:

HASCHEM CODE:

SEA TRANSPORT CLASS No:

SEA PACK GR.:

RAIL TRANSPORT CLASS No:

CEFIC TEC (R) No:

UK LABEL FOR CONVEYANCE: Xi (Contains Sodium Hydroxide)

15. REGULATORY INFORMATION

Health Hazards:

H315 / H320 Irritating to eyes and skin.

Precautionary Statements:

P262 Do not get on eyes or skin.

P102 Keep out of reach of children.

P301+303+331 If swallowed: Rinse mouth. Do not induce vomiting.

16. OTHER INFORMATION

This safety data sheet has been prepared according to EU Commission Regulation 453/2010.

The information supplied in this document is based on our present state of knowledge and is given in good faith. It is not intended and should not be construed as a specification or guarantee of specific properties. The responsibility remains with the user to comply with all relevant laws, regulations and directives, to make their own assessment of workplace risks and to determine the suitability of the product for a particular use or application.