

# SAFETY DATA SHEET

## RADIATOR FLUSH 250ML

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

**PRODUCT NAME:** RADIATOR FLUSH 250ML  
**PART No.:** RAF250  
**SUPPLIER:** TETROSYL LIMITED  
BEVIS GREEN WORKS  
WALMERSLEY  
BURY  
Tel: 0161 764 5981  
Fax: 0161 797 5899

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME			CONTENT
<b>CAS No.:</b>	<b>EINECS Nr.:</b>	<b>CLASSIFICATION</b>	
PHOSPHORIC ACID			1-5 %
7664-38-2	231-633-2	C R-34	
DISODIUM METASILICATE			10-30 %
6834-92-0	229-912-9	C R-34, 37	

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

### 3. HAZARDS IDENTIFICATION

Causes burns.

### 4. FIRST AID MEASURES

**GENERAL:** Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**INHALATION:** Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

**INGESTION:** DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately! Provide rest, warmth and fresh air.

**SKIN:** Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

**EYES:** Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. 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 flammable. Use extinguishing media appropriate for surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL CLEANUP METHODS:** DO NOT TOUCH SPILLED MATERIAL! Wear necessary protective equipment. Neutralize small amounts with sodium bicarbonate or lime and flush to sewer with large amounts of water. Large spills, dilute, then neutralize with caustic solution. Absorb in vermiculite, dry sand or earth and place into containers. Flush area with plenty of water.

## 7. HANDLING AND STORAGE

**USAGE PRECAUTIONS:** Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Eye wash facilities and emergency shower must be available when handling this product.

**STORAGE PRECAUTIONS:** Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

**STORAGE CRITERIA:** Corrosive storage.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
PHOSPHORIC ACID	7664-38-2	OES	1 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>

**INGREDIENT COMMENTS:** OES = Occupational Exposure Standard.

**PROTECTIVE EQUIPMENT:**



**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:** Use approved safety goggles or face shield.

<b>OTHER PROTECTION:</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>HYGIENIC WORK PRACTICES:</b>	DO NOT SMOKE IN WORK AREA! 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. No eating or drinking while working with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Liquid.		
<b>COLOUR:</b>	Yellow.		
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	1.130 - 1.150	<b>Temperature (°C):</b>	

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Normally stable.
<b>CONDITIONS TO AVOID:</b>	Reacts with alkalis and generates heat.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Fire or high temperatures create: Vapours/gases/fumes of: Hydrogen chloride (HCl).

## 11. TOXICOLOGICAL INFORMATION

<b>HEALTH WARNINGS:</b>	SKIN CONTACT. This substance is corrosive. Causes burns. EYE CONTACT. Causes burns. INGESTION. May cause burns in mucous membranes, throat, oesophagus and stomach. RESPIRATORY SYSTEM. Serious damage to the lining of nose, throat and lungs. Swallowing concentrated chemical may cause severe internal injury.
<b>MEDICAL CONSIDERATIONS:</b>	Risk of chemical pneumonia after aspiration.

## 12. ECOLOGICAL INFORMATION

<b>ECOLOGICAL INFORMATION:</b>	Dangerous for the environment if discharged into watercourses.
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## 13. DISPOSAL CONSIDERATIONS

<b>DISPOSAL METHODS:</b>	Dispose of in accordance with Local Authority requirements.
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## 14. TRANSPORT INFORMATION

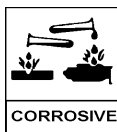
### LABEL FOR CONVEYANCE:



UN No. ROAD:	1760
UK ROAD TRANSPORT CLASS:	8
UK ROAD PACK GR.:	III
ADR CLASS No.:	8
PROPER SHIPPING NAME I:	CORROSIVE LIQUID, NOS
IMDG CLASS:	8
IMDG PACK GR.:	III
MARINE POLLUTANT:	No.
ICAO CLASS:	8
AIR PACK GR.:	III

## 15. REGULATORY INFORMATION

### LABEL FOR SUPPLY:



<b>RISK PHRASES:</b>	R-34 Causes burns.
<b>SAFETY PHRASES:</b>	S-1/2 Keep locked up and out of the reach of children. S-20 When using do not eat or drink. 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-27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of... 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).

S-46 If swallowed, seek medical advice immediately and show this container or label.  
S-56 Dispose of this material and its container to hazardous or special waste collection point.

<b>ENVIRONMENTAL LISTING:</b>	Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.
<b>EU DIRECTIVES:</b>	System of specific information relating to Dangerous Preparations. 91\155.
<b>STATUTORY INSTRUMENTS:</b>	Chemicals (Hazard Information and Packaging) Regulations.
<b>APPROVED CODE OF PRACTICE:</b>	Classification and Labelling of Substances and Preparations Dangerous for Supply.
<b>GUIDANCE NOTES:</b>	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

## 16. OTHER INFORMATION

<b>INFORMATION SOURCES:</b>	Dangerous Properties of Industrial Materials Report, N.Sax et.al.
<b>ISSUED BY:</b>	PJC
<b>REVISION DATE:</b>	2002-07-25
<b>REV. No./REPL. SDS GENERATED:</b>	1021690
<b>R-PHRASES (Full Text):</b>	R-34 Causes burns. R-37 Irritating to respiratory system.
<b>DISCLAIMER:</b>	The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.