



Clemas & Co Ltd

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Quadpower RK

High pressure detergent

PRODUCT CODE: Q1RK

Product Description

This is a powerful high pressure detergent for the removal of traffic film from vehicles as well as degreasing of engines and other pressure washing tasks.

Directions

Optimum working concentration is around 1% at the point of application, with either hot or cold water. For the greatest safety and economy, adjust the detergent feed to be just sufficient to give the required cleaning action. Minimise contact with alkali sensitive surfaces. Rinse the cleaned surface with water, not allowing the cleaning solution to dry on. Machine manufacturers recommend you run plain water through the machine after use.

Please refer to product data sheet before use. Use only as directed.

Health and Safety

CHIP Classification: Irritant.

R36/38 Irritating to eyes and skin.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S2 Keep out of reach of children.

R35 Causes severe burns

R22 Harmful if swallowed

R41 Risk of serious damage to eyes.

PRODUCT SAFETY DATA SHEET

IDENTIFICATION

Product Name: Quadpower RK
Description: High Pressure Detergent
Product Code: Q1RK
Supplier: Clemas & Company Limited
Units A3 & A4
Northway Trading Estate
Tewkesbury
Glos GL20 8JH
Tel: 01684 850777
Fax: 01684 850707

COMPOSITION/INFORMATION INGREDIENTS

Sodium hydroxide	1310-73-2	0.5-2%	C R35
Trisodium nitrilotriacetate	5064-31-3	5-15%	
		Xn R22 R36/38	
Anionic surfactant	1300-72-7	1-5%	Xi R36
Amphoteric surfactant	61789-40-0	1-5%	XiR36
Nonionic surfactant	68439-46-3	1-5%	Xn R22 R41

HAZARDS IDENTIFICATION

CHIP CLASSIFICATION: Irritant

EYE HAZARD: Will cause irritation.

SKIN HAZARD: Will cause irritation.

RESPIRATORY HAZARD: Breathing spray mist may cause irritation.

FLAMMABILITY HAZARD: Not combustible

FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance at once.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with water and seek medical attention if irritation persists.

INHALATION: If irritation occurs, remove to fresh air, keep warm and at rest. Seek medical attention immediately.

INGESTION: Do not induce vomiting. If conscious give water to drink and seek medical assistance immediately.

FIRE FIGHTING MEASURES: Not applicable

ACCIDENTAL RELEASE: Small quantities: Flush to foul sewer with a large quantity of water. Large quantities: contain and absorb or pump into container for disposal.

HANDLING & STORAGE: Store in a cool, dry place, protected from frost and away from acids and strong oxidising agents. Store upright in original containers. Shelf life: 24 months in good condition.

EXPOSURE CONTROLS/PERSONAL PROTECTION

These measures are suggested on the basis of general use methods and may not be appropriate to all potential users of the product. The user responsible for carrying out a full risk assessment of their specific processes and systems of work.

EYE PROTECTION: Wear chemical splash goggles to BS EN 166 34B.

HAND PROTECTION: Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments.

SKIN PROTECTION: As necessary to prevent contact.

RESPIRATORY PROTECTION: Use in a well ventilated area, avoid breathing spray mist, wear a protective mask to EN149 if necessary.

OCCUPATIONAL EXPOSURE LIMIT

Sodium hydroxide 2mg/m³ OES 15 min STEL

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Pale yellow liquid.

Odour: Mild, characteristic.

pH: 10.6 1% in water (typical)

Boiling Point: 100°C

Melting Point: Not applicable

Flash Point: Not applicable

Auto-ignition temp: Not applicable

Explosive properties: Not applicable

Oxidising properties: Not applicable

Vapour pressure: 17.5 mm Hg at 17.5°C

Relative density at 20°C (typical): 1.088

Solubility: Miscible with water

Viscosity: Free flowing

STABILITY & REACTIVITY

Conditions to avoid: Extremes of temperature.

Materials to avoid: Incompatible with strong oxidising agents and acids.

Hazardous decomposition products: None known

TOXICOLOGICAL INFORMATION

Eye Contact: Will cause irritation

Skin Contact: Will cause irritation.

Inhalation: Breathing spray mist may cause irritation.

Ingestion: Moderate toxicity. Will cause severe irritation to gastro-intestinal tract.

Long Term: Based on current knowledge, no long term effects are anticipated if used correctly.

ECOLOGICAL INFORMATION

Water based product. All organic ingredients are biodegradable when well diluted. May affect aquatic organisms due to high pH if released into water courses untreated.

DISPOSAL CONSIDERATIONS

Process effluent can normally be discharged to foul sewer (subject to consent limits). Large quantities; dispose via a licensed chemical waste contractor. Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

TRANSPORT INFORMATION

Not classified for transport.

REGULATORY INFORMATION

CHIP Classification: Irritant

This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information on this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and should not be construed as guaranteeing specific properties. It is for the users to satisfy themselves of the suitability of this product for their own applications.

Q1RK. Thursday, January 17, 2008