

TEK ROYAL RED MULTIPURPOSE CLEANER & DEGREASER

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Use: Cleaner & Degreaser

Product Number(s): TEK20058/04

Synonyms: Royal Red Multipurpose Cleaner & Degreaser

Company Identification : PORT CONSOLIDATED INC.

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USA

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Emergency Phone: (954) 763-3390

Product Information: email : Info@tekstarlubricants.com

Web: www.tekstarlubricants.com

Product Information: (800) 683-5823

MSDS Requests: (800) 683-5823

SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% OPTIONAL	OSHA PEL		ACGIH TWA		SARA	RQ
			PPM	MG/M	PPM	MG/M		
Ethylene glycol monobutyl ether (a,b)	111-76-2	5 - 10	50	240	20		Yes	
Potassium hydroxide (c,d)	1310-58-3	1-5		2C		2C		1000
Sodium phosphate, tribasic (STPP) (c)	7758-29-4	1-5	not established					5000
Sodium metasilicate	6834-92-0	1-5		6				

a) A "Yes" in the SARA TITLE III column in Section 2 indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

(b) Indicates an employee's skin exposure shall be prevented or reduced to the extent necessary in the circumstances through the use of gloves, coveralls, goggles, or other appropriate equipment.

(c) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture > 24,000 lbs) or greater amounts, according to 40 CFR 302.

(d) A "C" in the OSHA PEL or ACGIH TWA column indicates ceiling limits, the concentration that should not be exceeded during any part of the working exposure.

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SECTION 3: HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE	EMERGENCY AND FIRST AID PROCEDURES
INHALATION: Irritating to upper respiratory tract and mucous membranes; may cause headache, dizziness, nausea, vomiting and malaise.	Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.
SKIN: Irritation may result from contact; prolonged contact may cause moderate reddening, swelling and possible necrosis.	Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.
EYES: Contact with eyes is painful and irritating and may cause severe irritation, associated with redness and swelling of the conjunctiva.	Check for and remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.
INGESTION: Irritating to digestive tract; may cause gastric distress, stomach pains and vomiting; moderately toxic, may result in red blood cell hemolysis.	Drink large quantities of water or milk; DO NOT induce vomiting; never give anything by mouth to an unconscious person; seek medical attention immediately.
CARCINOGENICITY NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986 - there are no chemicals present known to the state to cause cancer or reproductive toxicity.	
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.	

SECTION 4: FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED) Non-flammable	NFPA RATING None	FLAMMABLE LIMITS LEL: Not applicable UEL: Not applicable
EXTINGUISHING MEDIA Carbon dioxide, water, water fog, dry chemical, chemical foam.		
SPECIAL FIRE FIGHTING PROCEDURES Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released. Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes.		
UNUSUAL FIRE AND EXPLOSION HAZARDS None		

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SECTION 5: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes. Wash small spills to sanitary sewer. Confine large spill, soak up with approved absorbent, shovel product into approved container; for spills in excess of allowable limits (RQ) notify the National Response Center (800) 424 - 8802; refer to SARA Title III, Section 313 40 CFR 372, and CERCLA 40 CFR 302 for detailed instructions concerning reporting requirements.

SECTION 6: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.		
VENTILATION	LOCAL EXHAUST: Required MECHANICAL (GENERAL): Yes	SPECIAL: To maintain minimum TWA and STEL levels. OTHER: Engineering and work controls as required.
PROTECTIVE GLOVES: Neoprene, butyl or nitrile rubber gloves with cuffs.		EYE PROTECTION: Chemical safety goggles.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment should be worn to minimize skin contact, safety eyewash station nearby.		
WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.		

SECTION 8: PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT 212° F	SPECIFIC GRAVITY (WATER = 1) 1.047
VAPOR PRESSURE (MM Hg) 17 mm Hg @ 20° C	pH 11.5 - 12.0
VAPOR DENSITY (AIR = 1) <1	EVAPORATION RATE (WATER = 1) <1
SOLUBILITY IN WATER Complete	% VOLATILE (BY WEIGHT) 87.7%
APPEARANCE AND ODOR Red Liquid	

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SECTION 9: STABILITY AND REACTIVITY

STABILITY	UNSTABLE: STABLE: XXX	CONDITIONS TO AVOID: Extreme temperatures.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.		
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.		
HAZARDOUS POLYMERIZATION	MAY OCCUR: WILL NOT OCCUR: XXX	CONDITIONS TO AVOID: None

SECTION 10: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. Refer to "40 CFR Protection of Environment Parts 260 -299" for complete waste disposal regulations for alkaline materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

SECTION 11: TRANSPORT INFORMATION

PROPER SHIPPING NAME: Non - Hazardous for Transport
 HAZARD CLASS / PKG GRP: Not regulated REF: Not Applicable
 IDENTIFICATION NUMBER: None LABEL: None Required

SECTION 12: OTHER INFORMATION

HMIS HAZARD RATINGS

HEALTH	2	* = Chronic Health Hazard	2 = MODERATE
FLAMMABILITY	0	0 = INSIGNIFICANT	3 = HIGH
PHYSICAL HAZARD	0	1 = SLIGHT	4 = EXTREME

Date of issue: 01/01/2014

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END OF MATERIAL SAFETY DATA SHEET