
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/20/03
Printed 2/03/04

KOOL TERJ**MSDS ID: 02625**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: KOOL TERJ
Product Descriptor: NON-PHOSPHONATED, HI-PRESSURE, LO-TEMP SPRAY WASH
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
SODIUM CARBONATE	497-19-8	>30%	None established	
SODIUM METASILICATE	6834-92-0	5 - 15%	None established	

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
CORROSIVE MATERIAL - Causes severe burns to skin and eyes. Harmful if swallowed. Do not contact eyes, skin or clothing. Avoid breathing any dust, spray mist or vapors in spill area. Wash thoroughly after handling product. Wear eye protection, clothing and footwear to prevent skin contact.
POSSIBLE ROUTES OF ENTRY: Inhalation and ingestion.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Severe burns or irritation with pain, redness, swelling, and blurred or impaired vision. SKIN: Severe irritation or burns with rash, redness, pain or itching. INGESTION: Burns or irritation to mouth, throat with pain, nausea and vomiting. INHALATION: Dust, spray or mists may cause burns or irritation.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis, sensitive skin, pulmonary function and asthma.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin, respiratory tract, and gastrointestinal tract.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart to completely flush all chemicals from entire eye surface. Get immediate medical attention.

SKIN: Promptly flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and footwear. Launder contaminated clothing and discard or thoroughly clean shoes before reuse. Get medical attention for painful, red or injured skin areas.

INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits,

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IV. FIRST AID MEASURES (Cont.)

rerinse mouth. Get immediate medical attention. NOTE: Never give fluids by mouth to an unconscious person.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): NONE FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: NONE UEL: NONE
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire. Liquid produces hydrogen on contact with soft, active metals.
EXTINGUISHING MEDIA: Water, water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.
SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Contain spilled solids. Wear protective clothing. Sweep or shovel solids or powder into a non-reactive chemical waste container. Dispose of materials in accordance with local, State and Federal regulations. Flush spill area with water.
This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store in a cool, dry area, keep away from acids. Keep container closed when not in use. Wear protective gear when handling or using. Do not pressurize container to empty.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields.
PROTECTIVE GLOVES: Alkali resistant.
RESPIRATORY PROTECTION: Product does not have any established exposure limits. NIOSH/MSHA approved respirator recommended in enclosed or confined spaces where high air concentration or long exposure may occur.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Long sleeved shirt and clothing to cover exposed skin if contact hazard exists.
ENGINEERING CONTROLS:
VENTILATION: Good general ventilation should be sufficient to control airborne levels.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White powder, no odor.

BOILING POINT (DEG F): N/A
SPECIFIC GRAVITY/BULK DENSITY: 1.15
pH: N/A

FREEZING POINT: N/A
pH 1% SOLUTION: 11.4

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IX. PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

VOLATILE BY VOLUME: 2.00

SOLUBILITY IN WATER: Insoluble

VAPOR PRESSURE(mmHg): N/A at N/A VAPOR DENSITY: N/A

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of carbon

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

TOXICITY TEST DATA:

Sodium Metasilicate:

Acute Oral LD50 (rat) - 1153 mg/kg (RTECS)

SODIUM CARBONATE:

Acute Oral LD50 (rat) - 4090 mg/kg (RTECS)

Acute Inhalation LC50 (rat, 2 hr.) - 2.3 mg/l (Env. Res. 31:138 (1983))

XII. ECOLOGICAL INFORMATION

Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

ECOTOXICITY TEST DATA:

Sodium Carbonate:

Acute LC50 (48 Hr.) (Daphnia magna) 265-565 mg/l

Acute LC50 (96 Hr.) (Lepomis macrochirus) 300-325 mg/l

Sodium Metasilicate:

Acute LC50 (96 hr) Gambusia affinis 530 mg/l

Acute LC50 (48 hr) Daphnia magna 113 mg/l

Acute LC50 (96 hr) Gammarus sp. 160 mg/l

Acute LC50 (28 day) Polychaete 210-250 mg/l

Trisodium nitrilotriacetate:

Acute LC50 (96 hr) Lepomis macrochirus 740 mg/l

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.

Adjust pH of diluted product and discharge to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Triple rinse container with water and add to process. Recycle or dispose of container according to product labeling or Federal, State or local regulations.

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XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: NONE

VOC CONTENT (EPA Method 24A): % VOC: 2.00 Lb/Gal VOC: 0.67

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

THIS PRODUCT CONTAINS SODIUM NITRATE @ 5%,
WHICH IS A SARA REPORTABLE COMPOUND.

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: NO REACTIVITY: NO
SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: C

NFPA RATING: HEALTH: 3 FIRE: 0 REACTIVITY: 0 SPECIAL: CORROSIVE

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM CARBONATE - CAS #497-19-8

SODIUM METASILICATE - CAS #6834-92-0

SODIUM NITRITE - CAS #7632-00-0

PETROLEUM DISTILLATES - CAS #64741-44-2

TRISODIUM ETHYLENEDIAMINETETRAACETIC ACID - CAS #150-38-9

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.