
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

SAN-KLEEN**MSDS ID: 07592**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SAN-KLEEN
Product Discriptor: Vehicle Cleaner
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
ALKYL DIMETHYLETHYL BENZYL AMMONIUM CHLORIDE	68956-79-6	1 - 5%	None est.	
LINEAR ALCOHOL ETHOXYLATE	68439-46-3	1 - 5%	None est.	
N-ALKYLDIMETHYL BENZYLAMMONIUM CHLORIDE	68391-01-5	1 - 5%	None est.	
POTASSIUM HYDROXIDE	1310-58-3	1 - 5%	TWA - C 2	MG/M3
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: Ingestion and Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Burns or severe irritation with pain, redness and swelling.
SKIN: Severe irritation or burns with rash, redness, pain or itching. INGESTION: If swallowed, pain, nausea and vomiting may result.

CHRONIC: Same as Acute Effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis and sensitive skin.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes and skin.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.
SKIN: IF ON SKIN: Wash with plenty of soap and water. Get medical attention.
INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth with water. Get prompt medical attention. NOTE: Never give fluids by mouth to an unconcious person.

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IV. FIRST AID MEASURES (Cont.)

INHALATION: Remove to fresh air. If breathing difficulties arise, get medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): NONE FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/A UEL: None
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Liquid produces hydrogen on contact with soft, active metals.
EXTINGUISHING MEDIA: 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: Contain runoff. Prevent from entering sewer or storm drain.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.
The Reportable Quantity (RQ) of Potassium Hydroxide, CAS #1310-58-3 is 8,432 gallons or 76,649 lbs.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store in a cool, dry area. Keep from freezing. If frozen, warm to thaw and mix for use. 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: Face shield if contact or splash hazard exists. Eye wash in use area.
PROTECTIVE GLOVES: Chemical resistant.
RESPIRATORY PROTECTION: Respirator protection required if PEL is exceeded. See Section II for information.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Protective clothing to cover exposed skin if contact or splash hazard exists.
ENGINEERING CONTROLS:
MECHANICAL VENTILATION: Normal room ventilation should be sufficient to control airborne levels.
LOCAL VENTILATION: Not usually required.

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IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear blue liquid with fresh-clean fragrance.

BOILING POINT (DEG F): 216

FREEZING POINT: Not determined

SPECIFIC GRAVITY/BULK DENSITY: 1.09

pH: 13.55

pH 1% SOLUTION: 11

VOLATILE BY VOLUME: 4

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): 17

at 20 C

VAPOR DENSITY: ND

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable. If frozen, thaw and mix.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids, strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

Contains Corrosive and Irritating alkaline chemicals. See Section II for amounts and identity. Acute toxicology tests are listed below.

TOXICITY TEST DATA:

Potassium hydroxide: Acute Oral LD50 (rat) - 365 mg/kg (RTECS)
Acute Skin LD50 (rabbit) - 1260 mg/kg (MSI)

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

XII. ECOLOGICAL INFORMATION

ECOTOXICITY DATA: This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluents containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

ECOTOXICITY TEST DATA: No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Product is D002-Corrosivity if declared RCRA hazardous waste.

PESTICIDE WASTES ARE TOXIC. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for Guidance. DO NOT contaminate water, food or feed by storage or disposal or cleaning of equipment. Dispose of unused, uncontaminated product in compliance with local, state and federal 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: Contains no hazardous air pollutants.

VOC CONTENT (EPA Method 24A): % VOC: 5 Lb/Gal VOC: 0.5

CERCLA/EPCRA:

Section 313 Toxic Chemicals: None

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: D

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

STATE RIGHT-TO-KNOW INFORMATION:

Water - CAS #7732-18-5

Diethylene Glycol Methylether - CAS #111-77-3

Sodium Metasilicate - CAS #6834-92-0

Alcohol Ethoxylate - CAS #68439-46-3

Potassium Hydroxide - CAS #1310-58-3

Alkyldimethyl Benzyl Ammonium Chloride - CAS #68391-01-5

Alkyl Methylethylbenzyl Ammonium Chloride - CAS #68956-79-6

EPA Registration Number - 3635-281

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.