



5353 Spring Grove Avenue, Cincinnati, OH 45217 USA 513-471-8770

Material Safety Data Sheet

Section 1 - Product Identification

Product Name: Vulclean SK-4785

Hazard Rating

	Health	Fire	Reactivity		
NFPA Code:	3	0	1		
0=Least	1=Slight	2=Moderate	3=High	4=Extreme	

FOR CHEMICAL EMERGENCY - Spill, leak, fire, exposure or accident
Call CHEMTREC 800-424-9300

Section 2 - Hazardous Ingredients / Identity Information

Specific Identity; Common Names	OSHA PEL	ACGIH TLV	Other
---------------------------------	----------	-----------	-------

Proprietary Formula - Specific Chemical Identities Have Been Withheld

1310-73-2

Sodium Hydroxide	2 mg/m3	2 mg/m3
------------------	---------	---------

6419-19-8

Amino tris(methylenephosphonic acid)	-	-
--------------------------------------	---	---

Section 3 - Physical/Chemical Characteristics

Appearance	Brown liquid
Boiling Point, Deg. F	100C
Evaporation, BuAcetate=1	Slower than
Melting Point	-10C
Odor	Mild
pH	>13
Solubility in water	Complete
Vapor Density (Air=1)	Not Known
Vapor Pressure	Not Known
Specific Gravity	1.45

Section 4 - Fire and Explosion Hazard Data

Flash Point COC: NA Flammable Limits: LEL-Not Known UEL-Not Known

Extinguishing Media: Foam, dry chemical, water fog, carbon dioxide.

Special Fire Fighting Procedures: Cool fire exposed containers with water.

Do not enter a confined fire space without full bunker gear and NIOSH approved supplied air breathing apparatus.

Unusual Fire and Explosion Hazards: Product is water based and will not burn until water has evaporated.

Section 5 - Reactivity Data

Stability - Stable.

Incompatibility - Strong acids-mineral or organic. Organic materials. Strong oxidizing agents. Strong reducing agents.

Reactive metals such as aluminum, zinc, magnesium and copper to release hydrogen gas which can form explosive mixtures with air.

Hazardous Decomposition Products - Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus. Oxides of sodium.

Hazardous Polymerization - Will not occur.

Other - Not Applicable.

Section 6 - Health Hazard Data

Routes of Entry: Inhalation=yes Skin=yes Ingestion=yes

Health Hazards:

The health hazards listed below are for components to this mixture. The active ingredients are diluted in water in this mixture and the severity of the listed

continued...



5353 Spring Grove Avenue, Cincinnati, OH 45217 USA 513-471-8770

Material Safety Data Sheet

...continued

health hazards for this product may be reduced. This product is designed to be diluted significantly with water before product use. The severity of these health hazards may be reduced further at usage concentrations.

(Acute and Chronic Overexposure)

Eyes - Blindness. Burning. Corneal damage. Redness. Stinging. Swelling. Tearing. Component may cause severe irritation, experienced as discomfort or pain, excess blinking and tear production, marked excess redness and swelling of the conjunctiva, and chemical burns of the eye. Corneal injury may be severe, extensive, and, if not treated promptly, could result in permanent impairment of vision.

Skin - Burns. Irreversible damage. Redness. Severe skin damage. Swelling.

Inhalation - Damage to nasal and respiratory passages. Respiratory tract irritation.

Ingestion - Abdominal discomfort. Severe damage to mucous membranes and deep tissues. Diarrhea. Nausea. Vomiting.

Signs And Symptoms of Exposure - As Noted Above.

Medical Conditions Generally Aggravated By Exposure - None Known.

Other Precautions - NA

Other - NA

Carcinogenicity NTP-No IARC-No OSHA-No

Emergency and First Aid Procedures:

Inhalation - remove to fresh air.

Skin contact - flush skin with plenty of cool water followed by a dilute vinegar solution. Remove and wash contaminated clothing before reuse.

Eye contact - flush with water for at least 15 minutes or until irritation subsides, get immediate medical attention.

Ingestion - Do not induce vomiting; give victim water and call a physician.

Never give anything by mouth to an unconscious person.

Section 7 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Dike area. Recover free product. Add a dry absorbent material to spill area.

Waste Disposal Method: Dispose by methods consistent with local state and federal regulations.

Precautions to be Taken in Handling and Storing: Keep containers tightly closed. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. To dissipate static electricity during transfer, ground and/or bond both containers. Since emptied containers retain product residue, follow warnings even after container is emptied. Residue or vapors may explode on ignition; do not cut, drill, grind or weld on or near container even when empty.

Other Precautions:

Not Applicable

Section 8 - Control Measures

Respiratory Protection: Not normally required. Use NIOSH approved supplied air breathing equipment if vapors are excessive.

Ventilation: Local Exhaust : Not normally required.

Mechanical (General): Use general ventilation.

Protective Gloves: Use chemical-resistant gloves, if needed, to avoid skin contact.

continued...



5353 Spring Grove Avenue, Cincinnati, OH 45217 USA 513-471-8770

Material Safety Data Sheet

...continued

Eye Protection: Use splash goggles or face shield when eye contact may occur.

Other Protective Clothing or Equipment: To prevent repeated or prolonged skin contact, wear impervious apron/clothing and boots.

Work/Hygienic Practices: Minimize breathing vapor, mist or fumes. Wash skin with soap and water after contact. Launder contaminated clothing.

Section 9 - Regulatory Information

DOT Information

DOT Proper Shipping Name: Corrosive Liquid, N.O.S., Potassium and/or Sodium Hydroxide Solution, 8, UN1760, II

DOT Hazard Code: CORROSIVE LIQUID

UN Number: 1760

TSCA

All components of this product are included in the TSCA inventory or are regulated under FIFRA.

Section 313 Supplier Notification

This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

CAS#	Common Name	Weight%
	None	

This information should be included in all MSDSs that are copied and distributed for this material.

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by CCI Inc.

The information set forth herein is furnished free of charge and is based on technical data that CCI Inc. believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of the information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

End of MSDS
