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## MATERIAL SAFETY DATA SHEET

DATE PREPARED: 10/30/00 SW

1. CHEMICAL PRODUCT IDENTIFICATION **VAPORENE 6208**

General Use: **MULTI-FUNCTIONAL WATER TREATMENT**

EMERGENCY TELEPHONE NUMBER:  
CHEMTREC 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200) EXPOSURE LIMITS 8 HRS. TWA (PPM)

Component	Hazard	CAS#	OSHA STEL	OSHA PEL	ACGIH TLV
POTASSIUM HYDROXIDE	CORROSIVE	1310-58-3	NOT LISTED	NOT LISTED	2 MG/M <sup>3</sup>
SODIUM BORATE	IRRITANT	1303-96-4	NOT LISTED	NOT LISTED	1 MG/M <sup>3</sup>
SODIUM MOLYBDATE	IRRITANT	10102-40-6	NOT LISTED	5 MG/M <sup>3</sup>	5 MG/M <sup>3</sup>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **THIS WATER BASED PRODUCT IS CORROSIVE.**

POTENTIAL HEALTH EFFECTS

INHALATION: **SPRAY OR MIST MAY BE CORROSIVE TO MUCOUS MEMBRANES.** EYE CONTACT: **CORROSIVE TO THE EYES.**

INGESTION: **CORROSIVE TO THE DIGESTIVE TRACT.** CHRONIC: **NONE**

SKIN CONTACT: **CORROSIVE TO THE SKIN.** TARGET ORGANS: **N.D.**

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: **N.D.**

4. FIRST AID MEASURES

INHALATION: **REMOVE TO FRESH AIR.** SKIN CONTACT: **WASH WITH SOAP AND WATER FOR 15 MINUTES.**

EYE CONTACT: **RINSE WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.** INGESTION: **DRINK WATER AND INDUCE VOMITING. GET MEDICAL ATTENTION.**

NOTES TO PHYSICIAN: **N.D.**

5. FIRE FIGHTING MEASURES

Flashpoint (°F) and Method: **WATER SOLUTION – DOES NOT BURN.** Autoignition Temperature (°F): **N/A**

FLAMMABLE LIMITS: Ingredient: **NONE** UEL: **N/A** LEL: **N/A**

GENERAL HAZARD: **CORROSIVE** FIRE FIGHTING EQUIPMENT: **WEAR SELF CONTAINED BREATHING APPARATUS.**

FIRE FIGHTING INSTRUCTIONS:

EXTINGUISHING MEDIA:

Foam: <b>YES</b>	Alcohol Foam: <b>YES</b>	CO2: <b>YES</b>
Dry Chemical: <b>YES</b>	Water: <b>YES</b>	Other: <b>NONE</b>

HAZARDOUS COMBUSTION PRODUCTS: **N.D.**

NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATINGS:

0 – Insignificant	1 – Slight	2 – Moderate	3 – High
4 – Extreme	U – Unknown	* – No Information	

Health: **:2**  
Flammability: **:0**  
Reactivity: **:0**

SPECIAL INFORMATION: **CORROSIVE - ALKALI**

N/A: Not Applicable  
N/D: Not Determined  
N/E: Not Established  
\* Where no corresponding data was contained in manufacturer's MSDS, additional research is required and is available upon request.





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6. ACCIDENTAL RELEASE MEASURES

LAND SPILL: **CONTAIN, ABSORB AND DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL GUIDELINES.**

WATER SPILL: **CONTACT APPROPRIATE AUTHORITIES.**

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (°F): **ROOM TEMPERATURE**

STORAGE PRESSURE: **ATMOSPHERIC**

GENERAL: **STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED, KEEP FROM FREEZING AND WASH AFTER HANDLING.**

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: **LOCAL EXHAUST – USE WITH ADEQUATE VENTILATION.**

PERSONAL PROTECTION: **GOGGLES**

RESPIRATOR: **NONE**

PROTECTIVE CLOTHING: **RUBBER GLOVES**

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (mmHg)	: <b>N.D.</b>	pH	: <b>12.1</b>
Specific Gravity (Water=1)	: <b>1.17 – 1.21</b>	Odor	: <b>SLIGHT SWEET</b>
Solubility in Water	: <b>COMPLETE</b>	Appearance	: <b>LIGHT AMBER</b>
Freezing Point	: <b>N.D.</b>	Physical State	: <b>LIQUID</b>
Evaporation Rate (BuAc=1)	: <b>N.D.</b>	Vapor Density (Air=1)	: <b>N.D.</b>
Viscosity	: <b>N.D.</b>	Percent Volatile by Vol	: <b>N.D.</b>
Boiling Point (°F)	: <b>N.D.</b>		

10. STABILITY AND REACTIVITY

GENERAL: **STABLE**

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: **OXIDIZERS AND ACIDS.**

HAZARDOUS DECOMPOSITION PRODUCTS: **NONE**

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC INFORMATION: **N/E**

CAS#: **NONE** % WT.: **N/A**

IARC: **NOT LISTED** NTP: **NOT LISTED** OSHA: **NOT LISTED** ACGIH: **NOT LISTED** OTHER: **NOT LISTED**

12. ECOLOGICAL INFORMATION: **N.D.**

13. DISPOSAL CONSIDERATION

RCRA Hazard Class: **NONE LISTED**

14. TRANSPORT INFORMATION:

DOT (Department of Transportation)

Proper Shipping Name: **COMPOUNDS CLEANING LIQUID, 8, NA1760, PGIII (CONTAINS POTASSIUM HYDROXIDE)**

Hazard Class: **CORROSIVE, 8**

Identification Number: **NA1760**

15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): **ALL COMPONENTS USED ARE LISTED IN THE TSCA INVENTORY.**

CERCLA (Comprehensive Environmental Response Compensation, and Liability Act) **NONE LISTED**

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories: **THIS PRODUCT CONTAINS POTASSIUM HYDROXIDE. COMPOUND REPORTABLE WHEN AT LEAST 4,000 POUNDS OF PRODUCT ARE PRESENT.**

313 Reportable Ingredients: **NO CHEMICALS PRESENT ARE LISTED.**

16. OTHER INFORMATION

REFERENCE: **PRODUCT FILE #F1129**

THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL. IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE.

N/A: Not Applicable  
N/D: Not Determined  
N/E: Not Established

\* Where no corresponding data was contained in manufacturer's MSDS, additional research is required and is available upon request.

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