

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: TRANSENE COMPANY, INC.
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MATERIAL NAME: **POTASSIUM HYDROXIDE 45%**

REVISED: March 1, 2022

CHEMICAL FAMILY: Caustic Potash Solution

SYNONYMS: Alkali

Product Number: 060-KOHSEMI

SECTION 2. HEALTH HAZARD INFORMATION

Hazard Statements

H290 Corrosive to Metals: Category 1

H301 Acute toxicity Oral : Category 3

H314 Skin corrosion / Skin irritation : Category 1B

H318 Serious eye damage / Eye irritation : Category 1

Pictograms or Hazard symbols



Signal Word: Danger

May be corrosive to metals.

Causes severe skin burns and eye damage. Causes serious eye damage.

Toxic if swallowed.

Precautionary Statements

P234 Keep only in original container.

P260 Do not breathe fume/gas/mist/vapors.

P264 Wash thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.

P280 Wear protective gloves, clothing, and eye and face protection.

P301 + P310 If swallowed, immediately call a physician.

P301 + P330 + P331 If swallowed, rinse mouth. Do not induce vomiting.

P303 + P361 + P353 If on skin (or hair) take off immediately all contaminated clothing.

Rinse skin with water.

P304 + P340 If inhaled, remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes.

P330 Rinse mouth.

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.
P405 Store locked up.
P406 Store in corrosive resistant container.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Material		Wt %
Potassium Hydroxide	CAS# 1310-58-3	45
Water	CAS# 7732-18-5	55
Total		100

SECTION 4. FIRST AID MEASURES

EFFECTS OF OVEREXPOSURE

FIRST AID:

Eye Contact: Corrosive to naked eye; in case of contact flush eyes well for 15 minutes, lifting the lower and upper eyelids occasionally. May cause permanent eye damage or blindness. Seek medical attention.

Skin Contact: Corrosive to exposed skin. Flush skin well with water for 15 minutes, wash with soap and water. Remove affected clothing.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. Seek medical attention. Inhalation of vapors may cause coughing, choking, inflammation of the nose, throat, and upper respiratory tract. In severe cases, may pulmonary edema, circulatory failure, and death.

Ingestion: Will cause severe burns to the mouth and damage to the digestive tract. Causes gastrointestinal burns and perforation of the digestive tract. Get Medical Attention immediately. Induce vomiting with soap solution.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point and Method	Autoignition Temp.	Flammability Limits In Air	<u>LOWER</u>	<u>UPPER</u>
non-flammable	NA		NA	NA

Extinguishing media: Suitable for surrounding fire.

Special fire fighting procedures: Wear chemically retardant gear and NIOSH approved self-contained breathing apparatus. Thermal decomposition produces irritating and toxic fumes. Do not allow to come in contact with acids. Toxic gases released: Contact with acids may release heat.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILLS, LEAKS: Ventilate area of leak or spill. Stop leak if possible to do so without risk. Clean-up personnel should wear protective clothing and NIOSH approved respirator. Dike and cover the contaminated areas with absorbent, non-combustible material such as earth, sand, or vermiculite. Decontaminate area with sodium or calcium hypochlorite. Do not use combustibles. Do not flush to sewer or waterways.

SECTION 7. HANDLING AND STORAGE

Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Do not breathe mist or

Oral rat LD50: 1800 mg/kg

Ingredients investigated as a tumorigen, mutagen, reproductive effector

Carcinogenicity: NTP: No IARC: No Z List: No OSHA reg: No

IARC Category No

OTHER DATA:

Corrosive to skin, eyes, and mucous membranes.

SECTION 12. ECOLOGICAL INFORMATION

Bioaccumulation : When released into the soil, this material is not expected to biodegrade. When released into the soil, this material may leach into groundwater.

Environmental Toxicity: This material is suspected of being harmful to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose of in accordance with all federal state and local regulations. Send waste to an approved waste disposal facility.

SECTION 14. TRANSPORTATION INFORMATION

Class 8

PG II

UN1814

Shipping Name: Potassium Hydroxide Solution

SECTION 15. REGULATORY

Symbol: C, Corrosive

R-Phrase: 35, causes severe burns

S-Phrases: 23-36/37/39-45 Do not breathe vapor. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 16. OTHER INFORMATION

NFPA Codes:

Health: 3

Flammability: 0

Reactivity: 2

R35: Causes severe burns.

Ingredients are TSCA listed.