



DATASHEET

EZ-STRIP

DESCRIPTION

EZ-STRIP is an industrial-strength alkaline cleaning agent. This powerful cleanser is designed to strip stubborn substances easily. Residues such as oils, grease, color stains and other tough to remove products are a great candidate for this product. EZ-STRIP contains sodium hydroxide coupled with surfactants and solvents which make it very powerful. This product is corrosive and should be handled with proper PPE!

PRODUCT USES & APPLICATIONS

- Tank Cleaning
- Acid Neutralization
- Hydrogen Sulfide Neutralization
- Cleaning Operations
- Equipment Decontamination

APPLICATION INSTRUCTIONS

Dilution Rate	Up to 10x with water
Set Time	30 minutes to 24 hours
Temperature	Warm water helps stripping

Special Instructions: For Scrubbing applications, make sure product has been treated with de-foaming agent.

HAZARDOUS INFORMATION

Specific Hazard	Corrosive
Flash Point (°F)	Above 220°
Biodegradability	Excellent
pH	12.5 to 13.2
Unusual Hazards	None

PACKAGING INFORMATION

Available Quantities	5,30,55,275 and bulk
Packaging Material	Poly
Other Information	Do not let product freeze.

CASE STUDY & APPLICATION INFO:

March 18, 2007: Texas Refinery Application

EZ-STRIP was used in a scrubber system at the BP Refinery to neutralize hydrogen sulfide and oil emissions stemming from a covered basin cleaning operation. EZ-STRIP kept hydrogen sulfide levels to near zero the entire job. Furthermore, due to its surfactant properties, it was also able to pull in oils from the airstream.

June 7, 2006: Acid Neutralization in Louisiana

On a sulfuric acid tank Vapor Tech's EZ-STRIP was used to neutralize sulfuric acid residues and sludges at a terminal near New Orleans. The product effectively brought the pH from 1.4 in the sludge to over 8 with one application. The tank was then vacuumed out. The surfactants in EZ-STRIP helped remove the product from the walls and floor and left a pleasant fragrance.

GHS SAFETY DATA SHEET
'EZ-STRIP'

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name..... EZ-STRIP
 Chemical Use..... Alkaline Cleaning Agent
 Chemical Family..... Mixture
 Issue Date of SDS..... June 27, 2014
 Revision Date of SDS..... 1/31/2022

MANUFACTURER:

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SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

<u>Health</u>	<u>Environmental</u>	<u>Physical</u>
Skin Corrosion: Category 1A	Aquatic Environment-Acute Hazard: Category 3	Corrosive to Metals: Category 1
Acute Toxicity - Oral: Category 4		
Acute Toxicity - Inhalation: Category 4		
Eye Damage/Irritation: Category 1		

GHS LABEL:

SIGNAL WORD:

DANGER



GHS05 Corrosive



GHS07 Irritant

Hazard Statements

H290: May be corrosive to metals.
 H302: Harmful if swallowed.
 H314: Causes severe skin burns and eye damage.
 H318: Causes serious eye damage.
 H332: Harmful if inhaled.
 H402: Harmful to aquatic life.

Precautionary Statements

P234: Keep only in original container.
 P260: Do not breathe dust or mist.
 P264: Wash hands thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.
 P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTER or doctor/physician.
 P363: Wash contaminated clothing before reuse.
 P390: Absorb spillage to prevent material damage.
 P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

	<u>NFPA</u>
Health	3
Flammability	0
Reactivity	1
Special Notice	COR

<u>HMIS</u>		
3	Health	0 - Minimal
0	Flammability	1 - Slight
1	Physical Hazard	2 - Moderate
C	PPE	3 - Serious
		4 - Severe
		C - Goggles, Gloves, Protective Clothing.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS#</u>	<u>CONCENTRATION</u>
Sodium Hydroxide	1310-73-2	25%

SECTION 4 - FIRST AID MEASURES

Eye Contact..... Immediately flush eyes with plenty of water lifting eyelids frequently. Continue to flush eyes for 15 minutes. Get medical attention!

Skin Contact..... Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

Inhalation..... If exposed to excessive levels of fumes, remove to fresh air. Get medical attention if cough or other symptoms develop.

Ingestion..... **DO NOT INDUCE VOMITING!** Drink one or two glasses of water and get medical attention immediately!

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Use foam, carbon dioxide, or water spray to extinguish flames.

Unsuitable Extinguishing Media:..... No further relevant information available.

Combustion Products: Not considered to be an explosion hazard.

Fire Fighting Instructions..... As with any fire, wear sealed contained breathing apparatus, pressure demand MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff may cause environmental damage. Dike and collect water used to fight fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURE

Personal Precautions:..... Prevent contact with skin and eyes. See Section 8.

Environmental Precautions..... Prevent entry of product into drains, sewers, surface or ground water.

Methods for Cleaning Up:..... Clean up spills immediately. Absorb spill with inert material (e.g., dry sand or earth), then place in a suitable container for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling:..... Avoid contact with eyes, skin and clothing.
Do not eat, drink or smoke when using this product.
Wear protective gloves, clothing and eye protection when handling this product.
Use in well ventilated areas.

Storage..... Store in cool, dry place in original container and keep away from direct sunlight.
Keep container closed when not in use.

Shelf-Life..... One to two years normally.

Storage Temperature..... 5 - 43°C (41 - 110°F)

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

<u>EXPOSURE LIMITS:</u>	<u>Component</u>	<u>ACGIH (TLV)</u>	<u>ACGIH (STEL)</u>	<u>OSHA (PEL)</u>
	Sodium Hydroxide	2 mg/m3	Not Known	2mg/m3

Engineering Controls..... Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment (PPE):

Eye Protection..... Wear safety-goggles with side shields. Contact lenses should not be worn.

Skin Protection..... Wear chemical resistant gloves.

Respiratory Protection..... For most situations, no respiratory protection is necessary.

General Hygiene Considerations..... There are no known health hazards associated with this product when used as recommended.

The following general hygiene considerations are recognized as common, good industrial hygiene practices:

- Wash hands after use and before eating.
- Avoid breathing vapors.
- Wear safety glasses and gloves.

Exposure Limits..... Not established for product as whole.

Appearance..... Light Orange Color.
 Odor..... Pleasant Odor.
 Vapor Pressure..... Not Determined.
 Vapor density (Air=1)..... Not Determined.
 pH..... 12.5 to 13.1
 Relative Density..... Not Determined.
 Melting point/Freezing point:..... Not Determined / 30°F
 Solubility in water..... 100%
 Initial boiling point and range..... 220°F / Not Determined.
 Flash Point..... Not Flammable.
 Evaporation rate..... Not Determined.
 Flammability (solid, gas):..... Not Flammable.
 Upper/Lower flammability or explosive limits:..... Non-Flammable product.
 Auto igniting temperature..... Product is not self igniting.
 Decomposition temperature..... Not Determined.
 Viscosity..... Not Determined.
 Specific Gravity (water = 1)..... 1.14 to 1.16

SECTION 10 - STABILITY & REACTIVITY

Reactivity..... No dangerous reaction known under conditions of normal use.
 Chemical Stability..... Stable.
 Hazardous Polymerization..... Will not occur.
 Incompatibilities..... May etch aluminum and zinc.
 Decomposition Products..... None determined.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:..... Absorbed through skin and eye contact.

Acute symptoms and effects:

Eye..... CORROSIVE! Causes severe burns to eye tissue!
 Skin..... Exposure to skin will cause mild to severe burns.
 Ingestion..... Severe gastric damage.
 Inhalation:..... Burning to nasal passages and soft tissue.

Chronic Exposure:..... Not Determined.

Toxicity Data:**LD50****LC50**

Sodium Hydroxide: Draize Test, rabbit-skin:

500 mg/24H Severe

Carcinogenicity..... Not a known carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:..... Harmful to aquatic life. Product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.
 Mobility in soil:..... No further relevant information available.
 Degradability:..... Expected to readily biodegrade.
 Bioaccumulation:..... No further relevant information available.

SECTION 13 - DISPOSAL CONSIDERATION

EZ-STRIP is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local authorities regarding the proper disposal of this material.

(Note: Adding chemicals, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate).

SECTION 14 - TRANSPORTATION INFORMATION

Required Shipping Label

A. USA: UN Number..... UN1760
D.O.T UN Proper Shipping Name..... Corrosive Liquid, 8, N.O.S.
 (Sodium Hydroxide).
 Packaging group..... III
D.O.T. Label..... UN1760, Corrosive Liquid, 8.
D.O.T. Placard..... Corrosive.
Freight Class Package..... Class 55
B. CANADA: TDG..... Corrosive.
C. ENGLAND: Approved Carriage List..... Corrosive.

- A. USA:** TSCA Status..... All ingredients listed on TSCA Inventory.
SARA TITLE III, 302/303 EHS..... None
SARA TITLE III, 304 HS..... None
SARA TITLE III, 311/312..... None
SARA TITLE III, 313..... None
- B. CANADA:** DSL/NDSL..... All ingredients are listed.
WHMIS..... Not Classified.
- C. EC:** EINECS..... All ingredients are listed.

SECTION 16 - OTHER INFORMATION

For details on specific requirements, you should contact the appropriate agency in your state.

While Vapor Technologies Inc. believes the information contained herein to be true and accurate, it has relied on information provided by others. Vapor Tech makes no warranties, expressed or implied, as to the accuracy of the information contained herein or with respect to the results to be obtained from the use of this product.

Vapor-Tech disclaims all liability with respect to the use of this product, including without limitation, liability for injury to the user or third-party persons.

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