

GHS SAFETY DATA SHEET 'VAMSOL 40'

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name..... VAMSOL 40
 Chemical Use..... Liquid Neutralizer
 Chemical Family..... Mixture
 Issue Date of SDS..... June 30, 2014

MANUFACTURER:

Vapor Technologies, Inc.
 7200 Williams Street
 Hitchcock, TX 77563
 (409) 316-0173
www.vapor-tech.net

EMERGENCY TELEPHONE NUMBER: (877) 840-0646

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Health	Environmental	Physical
Skin Corrosion: Category 2 Acute Toxicity - Oral: Category 4 Eye Damage/Irritation: Category 2A	Aquatic Environment-Acute Hazard: Category 3	None Known

GHS LABEL:



GHS07 Irritant

SIGNAL WORD:

WARNING

Hazard Statements

- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H402: Harmful to aquatic life.

Precautionary Statements

- P264: Wash hands thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- 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.
- P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
- P332 + P313: If skin irritation occurs: Get medical advice/attention.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P330: Rinse mouth.
- P337 + P313: If eye irritation persists: Get medical advice/attention.
- P362: Take off contaminated clothing and wash before reuse.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

	NFPA
Health	2
Flammability	0
Reactivity	0
Special Notice	-

HMIS		
2	Health	0 - Minimal
0	Flammability	1 - Slight
0	Physical Hazard	2 - Moderate
B	PPE	3 - Serious
		4 - Severe
		B - Safety Glasses & Gloves

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS
Diethanolamine

CAS#
111-042-2

CONCENTRATION
40%

Eye Contact..... Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.
 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 lukewarm 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

EXPOSURE LIMITS:	<u>Component</u>	<u>ACGIH (TLV)</u>	<u>ACGIH (STEL)</u>	<u>OSHA (PEL)</u>
	Diethanolamine	Not Known	Not Known	Not Known

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

Personal Protective Equipment (PPE):

Eye Protection..... Wear safety-goggles with side shields (or goggles). Contact lenses should not be worn.
 Skin Protection..... Wear chemical resistant gloves.
 Respiratory Protection..... For most situations, no respiratory protection is necessary.
 General Hygiene Consideration..... 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.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance..... Clear to slightly yellow liquid.
 Odor..... Slight amine odor.
 Vapor Pressure..... Not Determined.
 Odor Threshold..... Not Determined.
 Vapor density (Air=1)..... Not Determined.
 pH..... 11.6 - 11.9
 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.
 Partition coefficient..... Not Determined.
 Auto igniting temperature..... Product is not self igniting.
 Decomposition temperature..... Not Determined.

