

## GHS SAFETY DATA SHEET

### 'BIO SCRUB X'

#### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name..... BIO SCRUB X  
 Synonyms..... CHEMIA-HC  
 Chemical Use..... Scrubbing Agent  
 Chemical Family..... Alkyl Esters  
 Issue Date of SDS..... May 2, 2014

#### MANUFACTURER:

**Vapor Technologies, Inc.**  
 7200 Williams Street  
 Hitchcock, TX 77563  
 (409) 316-0173  
[www.vapor-tech.net](http://www.vapor-tech.net)

EMERGENCY TELEPHONE NUMBER: (877) 840-0646

#### SECTION 2 - HAZARDS IDENTIFICATION

##### GHS CLASSIFICATION: NON-HAZARDOUS

<u>Health</u>	<u>Environmental</u>	<u>Physical</u>
Acute Toxicity- Oral: Category 5	None Known	Flammable Liquid: Category 4
Skin Corrosion/Irritation: Category 3		
Eye Damage/Irritation: Category 2B		

#### GHS LABEL:

**NO SYMBOL**

#### SIGNAL WORD:

**WARNING**

#### Hazard Statements

H227: Combustible Liquid  
 H303: May be harmful if swallowed.  
 H316: Causes mild skin irritation.  
 H320: Causes eye irritation.

#### Precautionary Statements

P210: Keep away from flames and hot surfaces. - No smoking.  
 P264: Wash hands thoroughly after handling.  
 P280: Wear protective gloves/eye protection/face protection.  
 P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312: Call a POISON CENTER/doctor/physician if you feel unwell.  
 P332 + p313: If skin irritation occurs: Get medical advice/attention.  
 P370 + P378: In case of fire: Use water spray, dry chemical, foam or carbon dioxide.  
 P403 + P235: Store in a well-ventilated place. Keep cool.  
 P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

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

<u>HMIS</u>	
1	Health
1	Flammability
0	Physical Hazard
G	PPE

0 - Minimal  
 1 - Slight  
 2 - Moderate  
 3 - Serious  
 4 - Severe  
 G - Safety Glasses, Gloves & Vapor Respirator

#### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

##### INGREDIENTS

Mixed Methyl Esters

##### CAS#

67784-80-9

##### CONCENTRATION

100%

#### SECTION 4 - FIRST AID MEASURES

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 water and get medical attention immediately!

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

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

Combustion Products: ..... Carbon Monoxide

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..... Avoid contamination by storing in water-free tanks with scheduled water drainage. Corrosion and microbial growth are promoted by the presence of water. Degradation can be avoided by preventing temperature extremes and air during storage. Contact with copper/alloys, lead, tin and zinc may result in increased sediment and deposits that can plug filters.

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

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

## SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS:	Component	ACGIH (TLV)	ACGIH (STEL)	OSHA (PEL)
	Mixed Methyl Esters	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. Respirator needed if mist of product is present.

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..... Amber to light brown liquid.

Odor..... Slight solvent odor.

Vapor Pressure..... < 1 mmHg @ 72C

Odor Threshold..... Not Determined.

Vapor density..... Not Determined.

pH..... N/A for Oils.

Relative Density..... Not Determined.

Melting point/Freezing point:..... Not Determined / 35 - 40°F

Solubility in water..... Negligible.

Initial boiling point and range..... 390°F / Not Determined.

Flash Point..... 266°F

Evaporation rate..... > 1

Flammability (solid, gas):..... N/A

Upper/Lower flammability or explosive limits:..... Not Established.

Partition coefficient..... Not Determined.

Auto igniting temperature..... Not Determined.

Decomposition temperature..... Not Determined.

Viscosity..... Not Determined.

Specific Gravity (water = 1)..... 88

