

GHS SAFETY DATA SHEET 'BSX50-EVT6'

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name..... BSX50-EVT6
 Synonyms..... None
 Chemical Use..... Mixed Scrubbing Agent
 Chemical Family..... Mixture
 Issue Date of SDS..... July 25, 2014

MANUFACTURER:

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SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION: NON-HAZARDOUS

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

GHS LABEL:



SIGNAL WORD:

WARNING

Hazard Statements

H227: Combustible Liquid
 H302: Harmful if swallowed.
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H332: Harmful if inhaled.

Precautionary Statements

P210: Keep away from flames and hot surfaces. - No smoking.
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
 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.
 P280: Wear protective gloves/eye protection/face protection.
 P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
 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.
 P330: Rinse mouth.
 P332 + p313: If skin irritation occurs: Get medical advice/attention.
 P337 + P313: If eye irritation persists: Get medical advice/attention.
 P362: Take off contaminated clothing and wash before reuse.
 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

<u>INGREDIENTS</u>	<u>CAS#</u>	<u>CONCENTRATION</u>
Mixed Methyl Esters	67784-80-9	50%
Proprietary Amine Solution	N/A	50%

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!** Do not give any liquid. Contact physician 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: 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..... Store in cool 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>
	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 (possible dual layer).

Odor..... Slight solvent/amine odor.

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

Odor Threshold..... Not Determined.

Vapor density..... Not Determined.

pH..... 10 - 11.

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)..... 95 (mixture)

SECTION 10 - STABILITY & REACTIVITY

Reactivity..... No dangerous reaction known under conditions of normal use.
 Chemical Stability..... Stable.
 Hazardous Polymerization..... Will not occur.
 Incompatibilities..... Strong oxidizers such as nitrates, chlorates and peroxides.
 Decomposition Products..... Carbon monoxide/dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:..... Inhalation and Skin Contact

Acute symptoms and effects:

Eye..... Produces little or no irritation with contact on the eyes.
 Skin..... Prolonged or repeated exposure may cause irritation and/or drying of skin.
 Ingestion..... Not likely to be toxic by ingestion.
 Inhalation:..... No acute effects from routine operations. Overheating of product may produce vapors which may cause nausea & dizziness.

Chronic Exposure:..... Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Toxicity Data: LD50 LC50
 Not Known Not Known

Carcinogenicity..... Not a known carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:..... The 96 hour LC50 for BIO-SCRUB X in bluegill fish is >1000mg/l.
 Mobility in soil:..... No further relevant information available.
 Degradability:..... Expected to readily biodegrade.
 Bioaccumulation:..... No further relevant information available.

SECTION 13 - DISPOSAL CONSIDERATION

BSX50-EVT6 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

A. USA: UN Number..... Not Regulated.
 D.O.T UN Proper Shipping Name..... Not Regulated.
 Packaging group..... Not Regulated.
 Technical Shipping Name..... Methyl/Esters.
 D.O.T. Label..... Not Regulated.
 D.O.T. Placard..... Not Regulated.
 Freight Class Package..... Class 55
 Product Label..... Scrubbing Agent.

B. CANADA: TDG..... Not Regulated.

C. ENGLAND: Approved Carriage List..... Not Regulated.

SECTION 15 - REGULATORY INFORMATION

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/NDL..... All ingredients are listed.
 WHMIS..... Not Classified.

C. EC: EINECS..... All ingredients are listed.

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

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