
3. HAZARDS IDENTIFICATION (CONTINUED)

Subchronic/Chronic Hazards:

See Section 3: General (below)

General:

Ethanol: ACGIH TLV: TWA 1000 ppm; OSHA PEL: TWA 1000 ppm. Liquid and high vapor concentrations cause eye irritation. Contact of liquid with skin causes drying, cracking, and irritation. Inhalation causes irritation of the respiratory tract. Repeated or prolonged exposure to high vapor concentrations may cause drowsiness. Excessive or repeated ingestion may cause central nervous system effects, liver effects and reproductive effects; However, ingestion is not an expected route of exposure.

Ethanol has a low potential to cause allergic skin reactions; however, undocumented cases of human skin sensitization have been reported.

Undocumented reports suggest that this product may form a siloxane polymer on the eyes, lungs, or other mucous membranes. In the event of contact, get medical attention.

4. FIRST AID MEASURES

FIRST AID

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention.

Skin Contact:

Flush skin with plenty of water. Remove contaminated clothing. Obtain medical attention if irritation develops or persists.

Inhalation:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

Ingestion:

If swallowed, get medical attention immediately. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person.

Product Name: CHEM-TRETE® BSM-40 VOC

Approval Date: February 15, 1996

Print Date: November 05, 2002

Page: 3

MSDS Number: 4131440 01-03

5. FIRE FIGHTING MEASURES

Flash Point: 55 °F

Flash Point Method: Pensky-Martens C.C.

Lower Explosive Limit: Not determined

Upper Explosive Limit: Not Determined

OSHA Flammability Classification: Flammable liquid

Autoignition Temperature: Not Determined

Other Flammable Properties:

Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.

Extinguishing Media:

Use water spray or fog, foam, dry chemical or CO2.

Fire Fighting Procedures:

Containers can build up pressure if exposed to heat (fire). Cool with water spray. As in any fire, wear self-contained, pressure-demand breathing apparatus (MSHA-NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Absorb spill with inert material, then place in a chemical waste container. After removal, flush contaminated area with water and collect for disposal. Clean up spills immediately. Remove sources of ignition and ventilate area. Use a respirator and other protective equipment as outlined in Section 8. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

7. HANDLING AND STORAGE

Handling:

Keep away from heat. Keep away from sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. The need for grounding and bonding of containers in accordance with OSHA 29 CFR 1910.106 and NFPA 77 should be assessed for all product transfers. Follow all MSDS/label precautions even after the container is emptied because it may retain product residues. Wash thoroughly after handling.

Product Name: CHEM-TRETE® BSM-40 VOC

Approval Date: February 15, 1996

Print Date: November 05, 2002

Page: 4

MSDS Number: 4131440 01-03

7. HANDLING AND STORAGE (CONTINUED)

Storage:

Store in a cool, dry place. Keep container closed when not in use. Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

	Value	Limit	Reference
Ethanol	1000 ppm	TWA	OSHA/ACGIH
	N.E.	STEL	OSHA/ACGIH
NJTSR No. 56705700001-5318P	N.E.	TWA	OSHA/ACGIH
	N.E.	STEL	OSHA/ACGIH

Engineering Controls:

Use process enclosures, local exhaust ventilation or other engineering controls to control airborne exposure.

Respiratory Protection:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Eye Protection:

Use chemical splash goggles.

Skin Protection:

Use impermeable gloves.

Other Protective Equipment:

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: 74mmHg @ 22°C
Vapor Density (Air = 1)	: Is heavier than air
Specific Gravity	: 0.8
Boiling Point	: 78C (172F)@ 760mmHg
pH	: Not available
Evaporation Rate	: Is slower than Butyl Acetate

Product Name: CHEM-TRETE® BSM-40 VOC

Approval Date: February 15, 1996

Print Date: November 05, 2002

Page: 5

MSDS Number: 4131440 01-03

9. PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

Other Properties:

Clear. Liquid. Strong odor. Reacts slowly with water.

10. STABILITY AND REACTIVITY

Stability:

This product is stable under normal storage conditions.

Hazardous Polymerization:

Will not occur under normal conditions.

Conditions To Avoid:

Avoid high temperatures and sources of ignition.

Incompatibility With Other Materials:

Acids. Water. Oxidizing materials.

Hazardous Decomposition Products:

Ethanol in case of hydrolysis. Silicone polymers.

11. TOXICOLOGICAL INFORMATION

See supplementary data below

Supplementary Information:

The toxicological properties of this product have not been fully investigated.

12. ECOLOGICAL INFORMATION

No product ecological data available

13. DISPOSAL CONSIDERATIONS

Disposal Method:

Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

14. TRANSPORT INFORMATION

U.S. DOT Transport Information

Proper Shipping Name:

MSDS Continued on Page 6

Product Name: CHEM-TRETE® BSM-40 VOC
Approval Date: February 15, 1996
Print Date: November 05, 2002

Page: 6
MSDS Number: 4131440 01-03

14. TRANSPORT INFORMATION (CONTINUED)

Ethanol solution

Hazard Class: 3

Packing Group: II

RQ (lbs.): None

I.D. Number: UN1170

ERG No.: 127 Hazard Subclasses: NONE

Transport Label(s) Required: FLAMMABLE LIQUID

15. REGULATORY INFORMATION

This product contains the following non-hazardous components:

No non-hazardous components exist

U.S. Federal Regulations

OSHA:

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

Clean Air Act Section 112:

This product contains the following components present at or above the OSHA de minimus level and listed as Hazardous Air Pollutants:

None

This product contains the following components present at or above the OSHA de minimus level and listed as Extremely Hazardous Air Pollutants:

None

SARA Section 302:

This product contains the following components listed as Extremely Hazardous Substances:

None

SARA Section 311/312:

Hazard Classifications: Immediate (acute), Delayed (chronic), Fire

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

None

TSCA:

This product or its components are listed in or exempt from the TSCA

Product Name: CHEM-TRETE® BSM-40 VOC

Approval Date: February 15, 1996

Print Date: November 05, 2002

Page: 7

MSDS Number: 4131440 01-03

15. REGULATORY INFORMATION (CONTINUED)

inventory requirements.

This product contains the following non-proprietary substances subject to export notification under Section 12(b) of TSCA:

None

State Regulations

New Jersey:

This product contains the following non-hazardous components subject to disclosure under New Jersey Right-To-Know legislation:

None

Pennsylvania:

This product contains the following non-hazardous components subject to disclosure under Pennsylvania Right-To-Know legislation:

None

Massachusetts:

This product contains the following substances on the Massachusetts Substance List:

None

California (Proposition 65):

This product contains the following substances known to the State of California to cause cancer:

None

This product contains the following substances known to the State of California to cause adverse reproductive effects:

None

International Regulations

Summary of International Chemical Inventory Status

Canada	On inventory
Europe	On inventory
South Korea	Not on inventory
Australia	Not on inventory

Product Name: CHEM-TRETE® BSM-40 VOC

Approval Date: February 15, 1996

Print Date: November 05, 2002

Page: 8

MSDS Number: 4131440 01-03

16. OTHER INFORMATION

HMIS Ratings: Health - 2 Flammability - 3 Reactivity - 1

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard,

* = Chronic health hazard, N = No rating for powders

NFPA Ratings: Health - 2 Flammability - 3 Reactivity - 1

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard, N = No rating for powders

Key to abbreviations used:

NA Not applicable

NAV Not available

NE Not established

NJT SR No. New Jersey Trade Secret Registry Number

® Registered Trademark.

TM Trademark.

Revision Summary:

This is the first issue of this MSDS in the ANSI Z400.1 format.

The information is furnished without warranty, representation, inducement, or license of any kind, except that it is accurate to the best of DEGUSSA Corp./SIVENTO Inc.'s knowledge or obtained from sources believed by DEGUSSA Corp./SIVENTO Inc. to be accurate and DEGUSSA Corp./SIVENTO Inc. does not assume any legal responsibility for use or reliance on same. Customers are encouraged to conduct their own tests. Before using any product, read its label.

MSDS last page