

**MATERIAL SAFETY DATA SHEET**

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Product name: Y-14697**1. PRODUCT AND COMPANY IDENTIFICATION****Product name:** Y-14697**Chemical name:** Polydimethylsiloxane Emulsion**Supplier:** Crompton Corporation
One American Lane
Greenwich, CT 06831-2559, USA**Emergency telephone number:** CHEMTREC (24 hours) 800-424-9300
Crompton Corporation Emergency Response (24 hours)
800-809-9998
Crompton Corporation Emergency Response (24 hours)
304-926-8418**For MSDS, Product Safety, or regulatory inquiries, call:** Mr. Dana Dalrymple 304-652-8446 / (fax) 304-652-1478**Customer Service:** 800-523-5862**2. COMPOSITION / INFORMATION ON INGREDIENTS**

COMPONENT	CAS#	CONCENTRATION
Polydimethylsiloxane	63148-62-9	< 50.0 %
Water	7732-18-5	> 50.0 %
Proprietary additives	Trade secret	< 10.0 %

Note(s): See Section 15 for chemicals appearing on Federal or State Right-To-Know lists.**3. HAZARDS IDENTIFICATION****APPEARANCE****Physical state** Liquid

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Color	Opaque white
Odor	Mild

EMERGENCY OVERVIEW

WARNING!

CAUSES EYE IRRITATION.

POTENTIAL HEALTH EFFECTS**Swallowing****Acute effects**

No evidence of harmful effects from available information.

Skin absorption**Acute effects**

No evidence of harmful effects from available information.

Inhalation**Acute effects**

Short-term harmful health effects are not expected from vapor generated at ambient temperature.

Skin contact**Acute effects**

May cause minor irritation.

May cause the following effects:

- itching
- slight local redness

Eye contact**Acute effects**

May cause irritation.

May cause the following effects:

- stinging
- excess blinking
- tear production
- excess redness of the conjunctivae
- swelling of the conjunctivae

Injury to the cornea is not expected.

Medical conditions aggravated by overexposure

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

Other effects of overexposure

No adverse effects anticipated from available information.

POTENTIAL ENVIRONMENTAL EFFECTS

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All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

4. FIRST AID MEASURES

Swallowing

No emergency care anticipated.

Skin

Wash skin with soap and water.

Inhalation

No emergency care anticipated.

Eye contact

Immediately flush eyes with water and continue washing for several minutes. Obtain medical attention.

Notes to physician

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

Flammable limits

Lower limit:

Not available

Upper limit:

Not available

Special fire fighting procedures

None.

Special protective equipment for firefighters

Use self-contained breathing apparatus when fighting fires in enclosed areas.

Extinguishing mediaSuitable:

Non-flammable (aqueous solution).

After water evaporates, the remaining material will burn.

Large fires:

- alcohol-type foam or universal-type foams

Small fires:

- CO2

- dry chemical

Unsuitable:

None.

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Unusual fire and explosion hazards

This material may produce a floating fire hazard in extreme fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment.

Environmental precautions

Prevent runoff.

Methods for cleaning up

Cover with absorbent or contain.

Collect for disposal.

Observe government regulations.

7. HANDLING AND STORAGE

HANDLING**Handling precautions**

Avoid contact with eyes. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION**Respiratory protection**

None expected to be needed.

Hand protection / protective gloves

Recommended order of use:

4H

Butyl

Neoprene

Nitrile (NBR)

PVC-coated

Eye protection

Safety glasses.

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Other protective equipment

Eye bath

Safety shower

ENGINEERING CONTROLS**Ventilation**

General (mechanical) room ventilation is expected to be satisfactory.

EXPOSURE LIMITS

No exposure limits have been established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Liquid
Color	Opaque white
Odor	Mild

OTHER PROPERTIES

Boiling point	> 100 °C at STP unless specified below. Mixture		
Melting point	0 °C at STP unless specified below. (approximately)		
pH	Not available		
Specific gravity (H ₂ O=1)	0.99 at 25 °C (1,013 hPa) (estimated)		
Vapor pressure	< 26.6 hPa	(20.00 mmHg)	at 20 °C
Vapor density (air=1)	Heavier than air		
Solubility in water	Dispersible		
Evaporation rate (Butyl Acetate=1)	< 1		
Flash point	None, Aqueous system		
Upper explosion limits	Not available		
Lower explosion limits	Not available		
Percent volatiles	Not determined		

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Molecular weight**Mixture**

10. STABILITY AND REACTIVITY

Stability: Stable.**Stability - Conditions to avoid**

None known.

Incompatible materials

None currently known.

Hazardous combustion products

After evaporation of water, residue can burn to produce:

Oxides of carbon.

Oxides of silicon.

Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.

Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

Hazardous polymerization: Will not occur.**Hazardous polymerization - Conditions to avoid**

None known.

11. TOXICOLOGICAL INFORMATION

SIGNIFICANT DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH

No information relevant to human health hazard evaluation is currently available.

12. ECOLOGICAL INFORMATION

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

13. DISPOSAL CONSIDERATIONS

General:

Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

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14. TRANSPORT INFORMATION

DOT Classification

This product is not regulated by DOT.

Freight description road: SOFTENERS, FABRIC OR TEXTILE, NOI**IMDG Classification**

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40CFR355 (used for SARA 302 and 304).

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Massachusetts Right-To-Know Substance List (MSL)--Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Pennsylvania Right-To-Know Hazardous Substance List--Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

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Product name: Y-14697**New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)****Chemical name**

Water

Polydimethylsiloxane

Proprietary additives

CAS#

7732-18-5

63148-62-9

Trade secret

New Jersey TS NumberNJ Reg# 26175-24695A,
-24695B**EPA Hazard Categories (SARA 311, 312):** Immediate Health Hazard**California Proposition 65**

This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

California SCAQMD Rule 443.1 VOC's

Volatile Organic Components (VOC's) = Substances with vapor pressure of \Rightarrow 0.5 mmHg at 104°C (219.2°F).

NOT DETERMINED

CHEMICAL INVENTORY

United States: The components of this product are listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION**RECOMMENDED USES AND RESTRICTIONS**

Please consult the product and/or application information bulletins for this product.

HMIS RATING

Health: 1	Flammability: 0	Reactivity: 0	PPI: X
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LEGEND

STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	Minimal hazard
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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The opinions expressed herein are those of qualified experts within Crompton Corporation. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and

FROM :

FAX NO. :

Feb. 12 2001 01:41AM P9



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of these opinions and the conditions of use of this product are not within the control of Crompton Corporation, it is the user's obligation to determine the conditions of safe use of the products.