



# MATERIAL SAFETY DATA SHEET

## Chem-set™ 412 Specialty Silicone Coating

### 1. Product and Company Identification

**Material name** Chemset 412B  
**Issue date** 7-29-11  
**Version #** 00  
**CAS #** Mixture  
**Product use** Industrial Silicone Elastomer

**Manufacturer/Supplier** 410 Pike Road • Huntingdon Valley, PA 19006  
**800 220 1966**  
Phone: 267 684 1038 • Fax: 215 357 2754  
[m.smith@chemical-concepts.com](mailto:m.smith@chemical-concepts.com)  
Contact Person: Michael Smith

**Emergency** FOR CHEMICAL EMERGENCIES  
PLEASE CONTACT: 1-800-535-5053

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### 2. Hazards Identification

**Physical state** Viscous Liquid

**OSHA regulatory status** This product is not considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

#### Potential health effects

**Routes of exposure** Contact

**Eyes** Contact with eyes may cause mild irritation.

**Skin** Repeated or prolonged exposure may cause irritation.

**Inhalation** None.

**Ingestion** Low in normal use.

**Target organs** Eyes. Skin.

**Chronic effects** None.

**Signs and symptoms** Mild irritation

**Potential environmental** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 3. Composition / Information on Ingredients

Mixture does not contain ingredients that are considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

### 4. First Aid Measures

#### First aid procedures

**Eye Contact** Immediately flush with water for up to 10 minutes.

**Skin Contact** No first aid needed.

<b>Inhalation</b>	No first aid needed.
<b>Ingestion</b>	No first aid needed.
<b>Notes to physician</b>	Treat symptomatically.
<b>General advice</b>	In case of mild irritation flush affected area with water.

## 5. Fire Fighting Measure

<b>Flammable properties</b>	None.
<b>Extinguishing media Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	None.
<b>Protection of firefighters Specific hazards arising from the chemical</b>	None.
<b>Protective equipment and precautions for firefighters</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Firefighting equipment/instructions</b>	Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Containers close to fire should be removed or cooled with water.
<b>Hazardous decomposition</b>	High heat conditions only. Nitrogen oxides, metal oxides, formaldehyde, silicon dioxide, carbon oxides and traces of incompletely burned carbon compounds.

## 6. Accidental Release Measures

<b>Personal Precautions</b>	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate the area. Avoid inhalation of vapors/spray and contact with skin and eyes. Wear suitable protective clothing. See Section 8 of the MSDS for Personal Protective Equipment.
<b>Environmental precautions</b>	Avoid Discharge into drains, water courses or onto the ground unless authorized by permit.
<b>Methods for containment</b>	Dike the spilled material, where this is possible.
<b>Methods for cleaning up</b>	For waste disposal see section 13 of the MSDS. Remove sources of ignition. Absorb spillage with non-combustible, absorbent material.
<b>Other information</b>	Clean up in accordance with all applicable federal, state and local regulations.

## 7. Handling and Storage

<b>Handling</b>	Observe good industrial hygiene practices. Avoid skin and eye contact. Wear protective gloves and appropriate clothing to prevent skin contact. Wear approved safety goggles.
<b>Storage</b>	Do not store near heat sources, sources of ignition, oxidizers or incompatible materials. Store in closed original container in a dry place.

## 8. Exposure Controls/Personal Protection

**These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require additional precautions.**

**Occupational exposure** There are no components with workplace exposure limits.

**Exposure guidelines** Follow standard monitoring procedures.

**Engineering controls** Ensure adequate ventilation.

**Personal protective equipment**

**Eye/Face protection** Do not get in eyes. Eye wash fountain is recommended.

**Skin protection** Wear appropriate chemical resistant clothing. Suitable gloves can be recommended by the glove supplier. Wash after exposure. Safety shower recommended.

**Respiratory protection** None required.

**General hygiene** Handle in accordance with good industrial hygiene and safety practice.

**Considerations**

## 9. Physical & Chemical Properties

<b>Appearance</b>	Not available
<b>Color</b>	Clear
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>Form</b>	Viscous liquid
<b>pH</b>	Not available
<b>Melting point</b>	Not available
<b>Freezing point</b>	Not available
<b>Boiling point</b>	> 260 C (> 500 F)
<b>Flash point</b>	> 212 F (> 100 C)
<b>Evaporation rate</b>	Not available
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	1.00
<b>Solubility (water)</b>	Negligible
<b>Partition coefficient (N-octanol/water)</b>	No data available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available

## 10. Chemical Stability & Reactivity Information

**Chemical stability** Stable under normal temperature conditions.

**Conditions to avoid** None.

**Incompatible materials** Strong oxidizers may cause a reaction.

**Hazardous decomposition** Carbon monoxide, carbon dioxide, silicone dioxide and formaldehyde.

**Possibility of hazardous reactions** Will not occur.

## 11. Toxicological Information

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

## 12. Ecological Information

**Environmental effects** Not classified as an environmental hazard.

**Persistence and degradability** No data available.

**Bioaccumulation/ Accumulation** No data available

**Partition coefficient (n-octanol/water)** No data available.

**Mobility in environmental media** Reacts with water.

## 13. Disposal Considerations

**Disposal instructions** Material as received is non-hazardous.

**Waste from residues/ Unused products** Dispose in accordance with applicable federal, state and local regulations.

## 14. Transport Information

### DOT

Not subject to DOT regulations.

### IATA

Not regulated as dangerous goods.

### IMDG

Not subject to IMDG code.

### TDG

Not regulated as dangerous goods.

## 15. Regulatory Information

**US federal regulations** This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SARA Hazardous Substances - Not applicable.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated

### CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.40)

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely  
Hazardous substance  
(40 CFR 355, Appendix  
A)**

No

**Section 311/312 (40 CFR No  
370)**

No

**Drug Enforcement  
Administration (DEA) (21  
CFR 1308.11-150)**

Not controlled.

**Canadian regulations**

The MSDS contains all the information required by the CPR.

**WHMIS status**

Not controlled

**Mexico regulations**

This safety data sheet was prepared in accordance with the official Mexican Standard (NOM-018-STPS-2000).

## **16. Other Information**

**Further information**

HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

Health: 0  
Flammability: 1  
Physical hazard: 0

**NFPA ratings**

Health: 0  
Flammability: 1  
Instability: 0

**Disclaimer**

These data are offered in good faith as typical values and not as product specifications. NO warranty, either expressed or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.