

## SCM 3408 - Drum (200l-236.08kg) 1-part roof coating material

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Manufactured By:** Waterford Plant  
260 Hudson River Rd  
Waterford NY 12188

**Revised:** 01/29/2010  
**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Architectural Coating  
**Formula:** Mixture

#### HMIS

Flammability: 2      Reactivity: 0      Health: 2

#### NFPA

Flammability: 2      Reactivity: 0      Health: 2

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

WARNING! Flammable liquid and vapor. CANCER HAZARD BY INHALATION. Irritating to eyes, respiratory system and skin. Harmful by inhalation, in contact with skin and if swallowed. May cause adverse liver, kidney, and CNS effects. May cause lung damage. May be fatal if swallowed.

**Color:** dark grey      **Odor:** Mild Solvent

#### POTENTIAL HEALTH EFFECTS

#### INGESTION

Harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage. May cause pneumonitis as a result of aspiration.

#### SKIN

Cause mild skin irritation. May cause skin defatting with prolonged exposure. Harmful if absorbed through the skin.

#### INHALATION

Harmful if inhaled. Causes irritation of the mouth, nose, and throat. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Can cause unconsciousness if inhaled. A dust hazard may be created if, under conditions of use, solid particles are separated from the polymeric matrix. Massive inhalation immediately dangerous to life and health. Applies in uncured state.

#### EYES

High vapor concentration will cause irritation. Causes eye irritation.



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**MEDICAL CONDITIONS AGGRAVATED**

Respiratory disorder Skin disorders.

**SUBCHRONIC (TARGET ORGAN )**

Central nervous system; Liver and kidney injuries may occur.

**CHRONIC EFFECTS / CARCINOGENICITY**

This product or one of its ingredients present at 0.1% or more is listed as a carcinogen by NTP, IARC or OSHA X Yes \_\_\_ No Crystalline silica: This product contains greater than 0.1% crystalline silica. The International Agency for Research on Cancer (IARC) has determined that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals and limited evidence of carcinogenicity in humans.

**ROUTES OF EXPOSURE**

dermal; Eyes; Inhalation; Oral.; Absorption through skin.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**PRODUCT COMPOSITION**

**CAS REG NO.**

**WGT. %**

**A. HAZARDOUS**

NAPHTHA	64741-41-9	10 - 30 %
Stearic Acid	57-11-4	1 - 5 %
Methyltrimethoxysilane	1185-55-3	1 - 5 %
Octamethylcyclotetrasiloxane	556-67-2	0.1 - 1 %
QUARTZ	14808-60-7	0.1 - 1 %

**B. NON-HAZARDOUS**

CALCIUM CARBONATE	1317-65-3	30 - 60 %
Treated Silica	68937-51-9	1 - 5 %
Dimethylpolysiloxane	70131-67-8	30 - 60 %

**4. FIRST AID MEASURES**

**INGESTION**

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

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**SKIN**

Remove and wash contaminated clothing before re-use. In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.

**INHALATION**

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

**EYES**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**NOTE TO PHYSICIAN**

Treatment is symptomatic and supportive.

**5. FIRE-FIGHTING MEASURES**

**FLASH POINT:** ca. 50 °C; 122 °F  
**METHOD:** Pensky Martens closed cup  
**IGNITION TEMPERATURE:** ca. 232.00 °C; 450 °F  
**FLAMMABLE LIMITS IN AIR - LOWER (%):** 1.00 %(V).  
**FLAMMABLE LIMITS IN AIR - UPPER (%):** 6.00 %(V).

**SENSITIVITY TO MECHANICAL IMPACT:** No

**SENSITIVITY TO STATIC DISCHARGE**

Sensitivity to static discharge is expected; material has a flash point below 200 F.

**EXTINGUISHING MEDIA**

Water spray, dry chemical, foam, or carbon dioxide.none

**SPECIAL FIRE FIGHTING PROCEDURES**

Combustible, Containers can build up pressure if exposed to heat (fire)., This product or a component thereof can flow along surfaces to reach a distant ignition source and flash back., Run off to sewer may cause fire or explosion hazard., Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

**PRECAUTIONS FOR FIRE-FIGHTING**

In case of fire, carbon monoxide and carbon dioxide may be formed.

**FURTHER INFORMATION**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.



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**6. ACCIDENTAL RELEASE MEASURES**

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Wear proper protective equipment as specified in the protective equipment section. Increase area ventilation. Remove all sources of ignition. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal. Warn other workers of spill. Person not trained should evacuate area.

**ENVIRONMENTAL PRECAUTIONS**

Do not flush into surface water or sanitary sewer system.

**7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Product releases methanol during application and curing. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas. Avoid inhalation of vapour or mist. Store away from heat, sources of ignition, and incompatibles. Use ground strap and appropriate precautions for dispensing flammable liquids. Keep container closed when not in use. Keep away from children.

**STORAGE**

Keep containers tightly closed in a cool, well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS**

Eyewash stations; Showers

**RESPIRATORY PROTECTION**

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

**EYE AND FACE PROTECTION**

Monogoggles; Safety glasses with side-shields

**OTHER PROTECTIVE EQUIPMENT**

Rubber apron; Wear suitable protective clothing and eye/face protection.

**Exposure Guidelines**

<b>Component</b>	<b>CAS RN</b>	<b>Source</b>	<b>Value</b>
CALCIUM CARBONATE	1317-65-3	OSHA Z1PEL	Respirable fraction.5 mg/m3



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CALCIUM CARBONATE	1317-65-3	OSHA Z1, PEL	Total dust. 15 mg/m3
Stearic Acid	57-11-4	ACGIH, TWA	10 mg/m3
QUARTZ	14808-60-7	ACGIH, TWA	Respirable fraction. 0.025 mg/m3
Octamethylcyclotetrasiloxane	556-67-2	Z_INTL_OELREL	5 ppm

Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT - C &amp; F:</b>	ca.156.00 °C; 313 °F
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	< 3.76
<b>VAPOR DENSITY (AIR=1):</b>	4
<b>FREEZING POINT:</b>	not applicable
<b>ODOR:</b>	Mild Solvent
<b>COLOR:</b>	dark grey
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	> 1
<b>SPECIFIC GRAVITY (WATER=1):</b>	ca. 1.21
<b>DENSITY:</b>	ca. 1.20 g/cm3
<b>ACID / ALKALINITY (MEQ/G):</b>	Unknown
<b>pH:</b>	not applicable
<b>SOLUBILITY IN WATER (20 C):</b>	insoluble
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	Soluble in Petroleum Distillate
<b>VOLATILE ORGANIC CONTENT:</b>	22.2 %(m)
<b>VOC EXCL. H2O &amp; EXEMPTS (G/L):</b>	266 g/l

**10. STABILITY AND REACTIVITY**

**STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Carbon monoxide; Carbon dioxide (CO2); Silicon dioxide.; formaldehyde-like; This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A MSDS for



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formaldehyde is available from Momentive.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

None known.

**CONDITIONS TO AVOID**

Keep away from heat and sources of ignition.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE ORAL**

Remarks: Unknown

**ACUTE DERMAL**

Remarks: Unknown

**ACUTE INHALATION**

Remarks: no data available

**OTHER**

Chronic Toxicity: A 2 year combined chronic/carcinogenicity assay was conducted on Octamethylcyclotetrasiloxane (D4). Rats were exposed by vapour inhalation for up to 104 weeks to 0, 10, 30, 150, or 700ppm of D4. A statistically significant increase of uterine endometrial cell hyperplasia and adenomas (benign tumors) were observed in female rats exposed to 700 ppm D4. Subsequent studies to investigate the mechanism of action of D4 have demonstrated that these tumors arise through a rat-specific mechanism which is not relevant to humans. These effects were only observed at 700ppm, a level that greatly exceeds workplace or consumer exposure levels. It is highly unlikely that industrial, commercial or consumer uses of products containing D4 pose a human health risk.

**SENSITIZATION**

no data available

**SKIN IRRITATION**

no data available

**EYE IRRITATION**

no data available

**MUTAGENICITY**

Unknown

**OTHER EFFECTS OF OVEREXPOSURE**

Methanol released during curing.



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**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY**

Ecotoxicological data for this product is not available.

**DISTRIBUTION**

no data available

**CHEMICAL FATE**

no data available

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD**

Disposal should be made in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT SHIPPING NAME:** Combustible liquid, n.o.s.  
**DOT HAZARD CLASS:** CBL  
**DOT LABEL (S):** NON  
**UN/NA NUMBER:** NA 1993  
**PACKING GROUP:** III

**Further Information:** This product is considered flammable for transportation. It has been reclassified as combustible by ground transportation per 49CFR173.120(b)(2). This product must be classified as flammable when transported by vessel or aircraft.

**15. REGULATORY INFORMATION**

**Inventories**

Korea Existing Chemicals Inventory (KECI)	y (positive listing)	
China Inventory of Existing Chemical Substances	y (positive listing)	
Australia Inventory of Chemical Substances (AICS)	y (positive listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)	
TSCA list	y (positive listing)	On TSCA Inventory

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EU list of existing chemical substances y (positive listing)  
Canada DSL Inventory y (positive listing)  
Canada NDSL Inventory n (Negative listing)  
Japan Inventory of Existing & New Chemical Substances (ENCS) n (Negative listing)

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

**US Regulatory Information**

**SARA (311,312) HAZARD CLASS**

Acute Health Hazard; Chronic Health Hazard; Fire Hazard

**SARA (313) CHEMICALS**

**CALIFORNIA PROPOSITION 65**

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

1333-86-4, Carbon Black. 14808-60-7, Quartz.

**Canadian Regulatory Information**

**WHMIS HAZARD CLASS**

B3 - Combustible Liquid  
D2A - Very Toxic Material Causing Other Toxic Effects  
D2B - Toxic Material Causing Other Toxic Effects

**Other**

**SCHDLE B/HTSUS:** 3214.10.0020 mastic coating

**ECCN:** EAR99

**16. OTHER INFORMATION**

**OTHER**

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is 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., C = ceiling limit NEGL = negligible EST = estimated NF = none found  
NA = not applicable UNKN = unknown NE = none established REC = recommended ND =





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## Material Safety Data Sheet

Version: 3.10  
01/29/2010

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none determined      V = recommended by vendor      SKN = skin      TS = trade secret      R =  
recommended      MST = mist      NT = not tested      STEL = short term exposure limit      ppm =  
parts per million      ppb = parts per billion      By-product= reaction by-product, TSCA inventory status  
not required under 40 CFR part 720.30(h-2).