

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

CAS Number: 63148-62-9
Product Name: Dimethicone 350
Revision Date: Mar 22, 2022
Version: 1.0
Manufacturer's Name: Thames River Chemical Corp.
Address: 5230 Harvester Road Burlington, ON, CA, L7L 4X4
Emergency Phone: CHEMTREC (800) 424-9300
Information Phone Number: 905-681-5353
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Date Printed: Mar 23, 2022
Supersedes Date: N.A.
Product/Recommended Uses: For laboratory or industrial use only.

SECTION 2) HAZARDS IDENTIFICATION

Classification

Acute toxicity Dermal - Category 5

Eye Irritation - Category 2B

Skin Irritation - Category 3

These classifications were evaluated according to United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Pictograms

None

Signal Word

Warning

Hazardous Statements - Health

H313 - May be harmful in contact with skin

H320 - Causes eye irritation

H316 - Causes mild skin irritation

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

Precautionary Statements - Prevention

P264 - Wash/Wash hands thoroughly after handling.

Precautionary Statements - Response

P312 - Call a POISON CENTER or doctor, if you feel unwell.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

Precautionary Statements - Storage

No precautionary statement available.

Precautionary Statements - Disposal

No precautionary statement available.

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0063148-62-9	SILICONE	100% - 100%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality or to reflect batch to batch variation.

SECTION 4) FIRST-AID MEASURES

Inhalation

No data available.

Eye Contact

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation

Skin Contact

No first aid should be needed. Wash off with soap and water. Get medical attention if irritation develops.

Ingestion

Get immediate medical attention.

SECTION 5) FIRE-FIGHTING MEASURES

Unsuitable Extinguishing Media

No data available.

Specific Hazards in Case of Fire

Fire will form hazardous combustion gases of Carbon dioxide(CO₂), Carbon Monoxide(CO), and Nitrogen Oxides(NO_x). Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard.

Fire-fighting Procedures

Keep people away. Isolate fire and deny unnecessary entry. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with skin, eye or clothing.

Environmental Precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and Materials for Containment and Cleaning up

Clean up with spill with a suitable absorbent, and sweep up and containerize for reclamation or disposal. Note: US Regulations (CERCLA) may require reporting spills and releases to soil, water, and air in excess of reportable quantities. See Section 15 for regulatory

information.

SECTION 7) HANDLING AND STORAGE

Storage Room Requirements

Handling

Ensure adequate ventilation. Do not use pressure to empty drums. Keep away from open flames, hot surfaces and sources of ignition.

Storage

Keep in a cool sheltered place. To maintain product quality, do not store in heat or direct sunlight. Empty containers retain residue and may be dangerous.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Wear safety glasses with side shields

Skin Protection

Skin and body protection:

Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place. Recommended: Overall (preferably heavy cotton) or Tyvek-Pro Tech 'C' , Tyvek Pro 'F' disposable coverall.

Hand protection:

The suitability for a specific workplace should be discussed with the producers of the protective gloves. Protective gloves should be worn when handling freshly made polyurethane products to avoid contact with trace residual materials which may be hazardous in contact with skin.

Use chemical resistant gloves classified under Standard EN374: protective gloves against chemicals and microorganisms. Examples of glove materials that might provide suitable protection include: Butyl rubber, Chlorinated polyethylene, Polyethylene, Ethyl vinyl alcohol copolymers laminated ("EVAL"), Polychloroprene (Neoprene*), Nitrile/butadiene rubber ("nitrile" or "NBR"), Polyvinyl chloride ("PVC" or "vinyl"), Fluoroelastomer (Viton*).

When prolonged or frequently repeated contact may occur, a glove with protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN374) is recommended.

When only brief contact is expected, a glove with protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN374) is recommended. Contaminated gloves should be decontaminated and disposed of.

Notice: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all requisite workplace factors such as, but not limited to : other chemicals that may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), as well as instructions/specifications provided by the glove supplier.

Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program should be followed.

Appropriate Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

None of the chemicals in Section 3 are regulated under "ACGIH_carcinogen", "ACGIH_Notations", "ACGIH_TLV_Basis", "ACGIHsmg", "ACGIHsppm", "ACGIHtmg", "ACGIHtppm", "CAN_AL_Carcinogen", "CAN_AL_Notation", "CAN_ALsmg", "CAN_ALsppm", "CAN_ALtmg", "CAN_ALtppm", "CAN_ONsmg", "CAN_ONsppm", "CAN_ONtmg", "CAN_ONtppm", "CAN_QCVECDmg - CANADA_QUEBEC VALEUR D'EXPOSITION DE COURTE DURÉE_mg", "CAN_QCVECDppm - CANADA_QUEBEC VALEUR D'EXPOSITION DE COURTE DURÉE_ppm", "CAN_QCVEMPmg - CANADA_QUEBEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE_mg", "CAN_QCVEMPppm - CANADA_QUEBEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE_ppm", "CANsmg", "CANsppm", "CANTmg", "CANTppm", "OSHA_SkinDesignation", "OSHA_Tables_Z1_Z2_Z3", "OSHACarcinogen - OSHA Carcinogen", "OSHAsmg", "OSHAsppm", "OSHAtmg", "OSHAtppm"

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Density	1.00 lb/gal
Specific Gravity	0.12
Appearance	Colorless liquid
pH	No data available
Odor Threshold	No data available
Odor Description	Odorless
Melting/Freezing Point	No data available
High Boiling Point	N/A
Low Boiling Point	No data available
Flash Point	300.00 °C
Coefficient Water/Oil	N/A
Water Solubility	Insoluble in water
Upper Explosion Level	No data available
Lower Explosion Level	No data available
Vapor Pressure	<0.01(20°C)
Vapor Density	No data available
Evaporation Rate	N/A
Viscosity	350 mm ² /s (25°C)

SECTION 10) STABILITY AND REACTIVITY**Reactivity**

No data available.

Possibility of hazardous reactions

No data available.

Stability

This product is stable under normal handling and storing conditions.

Conditions To Avoid

No data available.

Incompatible Materials

Strong oxidising agents, strong reducing agents, strong acids, acid chlorides, acid anhydrides.

Hazardous Decomposition Products

carbon dioxide, carbon monoxide

SECTION 11) TOXICOLOGICAL INFORMATION**Acute Toxicity**

LD50 Oral: >5000 mg/kg (Rat)

LD50 Oral - Rat - > 2,000 mg/kg

The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is 2500 mg/kg body weight

The Acute Toxicity Estimate (ATE) for an inhalation (vapour) exposure to this mixture is >20 mg/l

Aspiration Hazard

No data available

Carcinogenicity

No data available

Germ Cell Mutagenicity

No data available

Reproductive Toxicity

No data available

Respiratory/Skin Sensitization

No data available

Skin Corrosion/Irritation

No data available

Specific Target Organ Toxicity - Repeated Exposure

No data available

Specific Target Organ Toxicity - Single Exposure

No data available

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

Based on available data, the classification criteria are not met.

Persistence and Degradability

No data available.

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, state and local laws.

SECTION 14) TRANSPORT INFORMATION

Transport Canada Information

Not regulated

U.S. DOT Information

Not regulated

Air Transport (ICAO/IATA)

Not classified as hazardous for air transport

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0063148-62-9	SILICONE	100% - 100%	DSL, TSCA, AICS, CN, IECSC - Inventory of Existing Chemical Substances Produced or Imported in China, PH_PICCS - Philippines, The Philippine Inventory of Chemicals and Chemical Substances, KR_KECI - Korean Existing Chemicals Inventory

SECTION 16) OTHER INFORMATION

Glossary

ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service ; Chemtrec - Chemical Transportation Emergency Center; DSL - Domestic Substances List; ESL - Effects screening levels; GHS - "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations; HMIS - Hazardous Material Information Service; IATA - Dangerous Goods Regulations (DGR) for the air transport (IATA); IMDG - International Maritime Dangerous Goods Code; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OEL - Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL - Permissible Exposure Limit; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self Contained Breathing Apparatus; ppm - parts per million; STEL - Short-term exposure limit; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-weighted average; US DOT- US Department of Transportation.

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