



## SAFETY DATA SHEET

### Section 1: Identification of the chemical and of the supplier

**Product identifier** G-420-1

**Other means of identification**

**Sales Code** GZEXS0

**Recommended use of the chemical and restrictions on use**

**Recommended use** Greases and fluid compounds  
Solvent-resistant lubricant

**Recommended restrictions** Industrial use only.

**Details of principal suppliers**

**MANUFACTURER**

**COMPANY NAME** Shin-Etsu Chemical Co., Ltd.

**CONTACT** Quality Assurance Department (Gunma Complex)

**ADDRESS** 13-1, Isobe 2-chome, Annaka-shi, Gunma 379-0195, JAPAN

**TELEPHONE NUMBER** +81(0)27-385-2172

**FAX NUMBER** +81(0)27-385-2753

**SUPPLIER**

**COMPANY NAME** Shin-Etsu Singapore PTE Ltd.

**ADDRESS** 4 Shenton Way #10-03/06, SGX Centre II, Singapore 068807

**TELEPHONE NUMBER** +65-6743-7277

**EMERGENCY** +65-6743-7277

### Section 2: Hazard identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** Not available.

**Precautionary statement**

**Prevention** Not available.

**Response** Not available.

**Storage** Not available.

**Disposal** Not available.

**Other hazards which do not result in classification** None known.

**Supplemental information** None.

### Section 3: Composition and information of the ingredients of the hazardous chemical

**Mixtures**

The components are not hazardous or are below required disclosure limits.

### Section 4: First-aid measures

**Inhalation** Not applicable.

**Skin contact** Wash skin with soap and water. Get medical attention if irritation develops and persists.

**Eye contact** Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. Get medical attention immediately.

**Most important symptoms/effects, acute and delayed** Direct contact with eyes may cause temporary irritation.

**Indication of immediate medical attention and special treatment needed** Treat symptomatically.

## Section 5: Fire-fighting measures

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** None known.

**Specific hazards arising from the chemical** By heating and fire, harmful vapors/gases may be formed. Hydrogen fluoride. (corrosive)

**Special protective equipment and precautions for firefighters** Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-contained breathing apparatus.

**Fire fighting equipment/instructions** Move containers from fire area if you can do so without risk.

**HAZCHEM code** None.

## Section 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Wear appropriate personal protective equipment.

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

**Methods and materials for containment and cleaning up** Eliminate sources of ignition. Collect spillage. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

## Section 7: Handling and storage

**Precautions for safe handling** Provide adequate ventilation. Use care in handling/storage.

**Conditions for safe storage, including any incompatibilities** Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS). Keep in original container.

## Section 8: Exposure controls and personal protection

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Provide eyewash station.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Wear protective gloves.

**Other** No special protective equipment required.

**Respiratory protection** No personal respiratory protective equipment normally required.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

## Section 9: Physical and chemical properties

**Appearance**

**Form** Grease

**Color** White.

**Odor** Odorless.

**Odor threshold** Not available.

**pH** Not measurable (Refer to water solubility)

**Melting point/freezing point** No data

**Initial boiling point and boiling range** Not applicable

**Flash point** > 212 °F (> 100 °C) Closed Cup

<b>Evaporation rate</b>	Negligible (Butyl Acetate=1)
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	No data
<b>Flammability limit - upper (%)</b>	No data
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Negligible ( 25 °C )
<b>Vapor density</b>	Not applicable
<b>Relative density</b>	1.1 ( 25 °C )
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not soluble
<b>Partition coefficient (n-octanol/water)</b>	Not applicable
<b>Auto-ignition temperature</b>	No data
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not applicable
<b>Other information</b>	
<b>Molecular weight</b>	Not applicable

## Section 10: Stability and reactivity

<b>Reactivity</b>	No hazardous reaction known under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Fluorine compounds. Formaldehyde .

## Section 11: Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

<b>Acute toxicity</b>	None known.
<b>Skin corrosion/irritation</b>	Not available.
<b>Serious eye damage/eye irritation</b>	Not available.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not available.
<b>Skin sensitization</b>	Not available.
<b>Germ cell mutagenicity</b>	Not available.

### Carcinogenicity

**IARC Monographs. Overall Evaluation of Carcinogenicity**  
Not available.

**US NTP Report on Carcinogens: Anticipated carcinogen**

Not available.

**US NTP Report on Carcinogens: Known carcinogen**

Not available.

**Reproductive toxicity** Not available.**Specific target organ toxicity - single exposure** Not available.**Specific target organ toxicity - repeated exposure** Not available.**Aspiration hazard** Not available.**Section 12: Ecological information****Ecotoxicity** None known.**Persistence and degradability** No data available.**Bioaccumulative potential** No data available.**Mobility in soil** No data available.**Mobility in general** No data available.**Other adverse effects** Not available.**Section 13: Disposal information****Disposal instructions** Incinerate. Incinerator should be appropriately equipped for Fluoro gas , silica and other fine powder which the product will generate in incineration. Workers should wear appropriate personal protective equipment(s) such as respirator. Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Dispose of contents/container in accordance with local/regional/national/international regulations.**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.**Section 14: Transportation information****ADR**

Not regulated as dangerous goods.

**RID**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** This product is not intended to be transported in bulk.**HAZCHEM code** None.**Section 15: Regulatory information****Safety, health and environmental regulations specific for the product in question****Active Ingredients of Pesticide Product (Pesticide Act 1974, First Schedule, as amended through October 1, 2004)**

Not regulated.

**CWC (Chemical Weapons Convention) Act 2005, Schedules 1-3, as amended through CWC Regulations 2007, October 5, 2007)**

Not regulated.

**Ozone Depleting Substances (ODS) (Environmental Quality (Prohibition on the Use of CFC and Other Gases as Propellants and Blowing Agents) Order 1993, Dec. 31, 1993)**

Not regulated.

**Prohibited Use of Substances [Occupational Safety and Health (Prohibition of Use of Substance) Order 1999]**

Not regulated.

**International regulations****Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Montreal Protocol**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

**Section 16: Other information****Issue date** 01-06-2021**Version #** 01**List of abbreviations** Not available.**References** Not available.

**Disclaimer** This information is offered in good faith as typical values and not as a product specification. No warranty, 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.

This product has been designed, manufactured and developed solely for general industrial use only. This product is not designed for, intended for use as, or suitable for, medical, surgical or other particular purposes. Users have the sole responsibility and obligation to determine the suitability of this product for any application, to make preliminary tests, and to confirm the safety of this product for their use. Users must never use this product for the purpose of implantation into the human body and/or injection into humans.