

## 1 Identification

### Product identifier

Trade name: *Silcor Top Coat 70 - Part A*

SDS ID Number: 2796

**Relevant identified uses of the substance or mixture, and uses advised against**  
Specialty construction product. Not intended for other uses

### Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**  
GCP Applied Technologies  
62 Whittemore Avenue  
Cambridge, MA 02140 USA

GCP Canada, Inc.  
294 Clements Road W.  
Ajax, Ontario L1S 3C6 Canada

### Information department:

Environmental Health & Safety  
USA: +1-617-876-1400 (24 hours)  
+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts  
CAN: 1-905-683-8561 (24 hours)  
Email address: msds.gcp@gcpat.com

**Transport Emergency:** Chemtrec +1-800-424-9300 (24 hours)

## 2 Hazard(s) identification

### Classification of the substance or mixture

Flammable liquid and vapor.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

May cause respiratory irritation.

May be fatal if swallowed and enters airways.

**Label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS)

### Hazard pictograms



GHS02 GHS07 GHS08

Danger

### Hazard statements

Flammable liquid and vapor.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

May cause respiratory irritation.

May be fatal if swallowed and enters airways.

### Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray

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Wear protective gloves/protective clothing/eye protection/face protection.  
 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 [In case of inadequate ventilation] wear respiratory protection.  
 Take precautionary measures against static discharge.  
 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 If skin irritation or rash occurs: Get medical advice/attention.

**Hazard description:** Flammable**Inhalation:** Causes respiratory tract irritation.**NFPA ratings (scale 0 - 4)****HMIS-ratings (scale 0 - 4)****Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**3 Composition/information on ingredients****Chemical characterization: Mixture****Description:** Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.**Hazardous components:**

53880-05-0	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	50-100%
64742-95-6	Solvent naphtha (petroleum), light aromatic	10-20%
110-43-0	heptan-2-one	10-20%
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	0.1-1.0%

**Additional information:** Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.**4 First-aid measures****Description of first aid measures****General information:** Get medical advice/attention if you feel unwell.**After skin contact:**

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

**After eye contact:** Rinse cautiously with water for several minutes.**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

**Information for doctor:****Most important symptoms and effects, both acute and delayed**

Allergic reactions

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Harmful: may cause lung damage if swallowed.

**Indication of any immediate medical attention and special treatment needed** No further relevant information available.**5 Fire-fighting measures****Extinguishing media****Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet**Special hazards arising from the substance or mixture** No further relevant information available.**Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.**Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to section 13 of the SDS.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and storage****Handling:****Precautions for safe handling**

Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums.

**Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

Empty containers may retain hazardous residue, both liquid and vapor.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

**Conditions for safe storage, including any incompatibilities****Storage:****Further information about storage conditions:** Keep receptacle tightly sealed.

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**Specific end use(s)** No further relevant information available.**8 Exposure controls/personal protection****Additional information about design of technical systems:** No further data; see item 7.**Control parameters****Components with limit values that require monitoring at the workplace:****110-43-0 heptan-2-one**PEL (USA) Long-term value: 465 mg/m<sup>3</sup>, 100 ppmREL (USA) Long-term value: 465 mg/m<sup>3</sup>, 100 ppmTLV (USA) Long-term value: 233 mg/m<sup>3</sup>, 50 ppm**4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate**REL (USA) Short-term value: 0.18 mg/m<sup>3</sup>, 0.02 ppm  
Long-term value: 0.045 mg/m<sup>3</sup>, 0.005 ppm  
SkinTLV (USA) Long-term value: 0.045 mg/m<sup>3</sup>, 0.005 ppm**Additional information:** The lists that were valid during the creation were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed.**Breathing equipment:**

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Due to the presence of isocyanate, supplied air respirators must be worn whenever the product is applied in poorly ventilated areas unless local exhaust will maintain exposures below acceptable limits. A chemical cartridge respirator with organic vapor cartridge is required when local exhaust is unavailable or inadequate to control exposures below required limits. When supplied-air respirators are not available or use is not practical, an air-purifying respirator may be an acceptable alternative if the recommendations below are followed:

Use of fans to improve air circulation and general ventilation or exhaust ventilation to remove isocyanate vapors when working in confined spaces.

The use of an air-purifying respirator fitted with organic vapor cartridge and a well managed cartridge change schedule. Due to the low exposure limits and poor odor warning properties, cartridges should be replaced on a daily basis at a minimum.

To complement the above, a viable isocyanate measurement system should be used to monitor workplace levels.

**Protection of hands:** Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.**Eye protection:**

Safety glasses with side shield protection.

**Body protection:**

Use personal protective equipment as required.

Take off contaminated clothing.

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\* **9 Physical and chemical properties****Information on basic physical and chemical properties****General Information**

<b>Appearance:</b>	Clear Liquid
<b>Form:</b>	Liquid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	0.07 ppm

**pH-value (~):** Not determined.

**Change in condition**

<b>Melting point/Melting range:</b>	-60 °F
<b>Boiling point/Boiling range:</b>	140-200 °C (284-392 °F)
<b>Flash point:</b>	40.5 °C (105 °F)

**Flammability (solid, gaseous):** Flammable

<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	In use, may form flammable/explosive vapor-air mixture.

**Explosion limits:**

<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	7.0 Vol %
<b>VOC Content (max):</b>	Not determined.

<b>Vapor pressure at 20 °C (68 °F):</b>	10 hPa (8 mm Hg)
<b>Density: (~)</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Vapor density at 20 °C (68 °F)</b>	4 g/cm <sup>3</sup> (33.38 lbs/gal)
<b>Evaporation rate at 20 °C (68 °F)</b>	0.2

**Solubility in / Miscibility with Water:** Not miscible or difficult to mix.

**Partition coefficient (n-octanol/water):** Not determined.

<b>Viscosity at 20 °C (68 °F):</b>	1600
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Molecular weight</b>	Not applicable.

**Other information** No further relevant information available.

\* **10 Stability and reactivity**

**Reactivity** Stable under normal conditions.

**Chemical stability** Stable under normal conditions of handling, use and transportation.

**Thermal decomposition:** No decomposition if used according to specifications.

**Possibility of hazardous reactions** No further relevant information available.

**Conditions to avoid** Avoid contact with heat, sparks, open flame, and static discharge.

**Incompatible materials:** Strong oxidizers.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide

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**11 Toxicological information****Information on toxicological effects****Acute toxicity:****LD/LC50 values relevant for classification:****64742-95-6 Solvent naphtha (petroleum), light aromatic**

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rabbit)
Inhalation	LC50, 4h	>10.2 mg/l (rat)

**Primary irritant effect:****on the skin:** Causes skin irritation.**on the eye:** May cause eye irritation.**inhalation:** May be harmful if aerosol or mist is inhaled.**Ingestion:** Harmful: may cause lung damage if swallowed.**Sensitization:**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

**Respiratory sensitization** May cause allergic respiratory reaction.**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer) Human Carcinogenicity:**  
**Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable**

None of the ingredients is listed.

**NTP (National Toxicology Program)****K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**12 Ecological information****Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential** Accumulation in organisms is not to be expected.**Mobility in soil** Absorption into solid soil phase is expected.**Additional ecological information:****General notes:** Not known to be hazardous to water.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

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**Other adverse effects**

Do not allow to enter soil, waterways or waste water channels. Inhibition of degradation activity in activated sludge is not to be anticipated during introduction at low concentrations.

**13 Disposal considerations**

**Disposal methods** Do not dump into any sewers, on the ground or any body of water.

**Disposal methods:**

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

**Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packagings:**

**Recommendation:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**14 Transport information****UN-Number**

DOT Not applicable.  
IMDG, IATA UN1139

**UN proper shipping name**

DOT Not applicable.  
IMDG, IATA COATING SOLUTION

**Transport hazard class(es)**

DOT  
Class Not applicable.

**IMDG, IATA**

Class 3 Flammable liquids  
Label 3

**Packing group**

DOT Not applicable.  
IMDG, IATA III

**Environmental hazards:** Not applicable.

**Special precautions for user** Warning: Flammable liquids

**Danger code (Kemler):** 30  
**EMS Number:** F-E,S-E  
**Stowage Category** A

**Transport/Additional information:**

DOT  
**Remarks:** Not regulated for non-bulk over the road shipments.

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**IMDG****Limited quantities (LQ)**  
**Excepted quantities (EQ)**5L  
Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml**15 Regulatory information****SARA (Superfund Amendments and Reauthorization Act)****Section 302/304 (extremely hazardous substances):**

4098-71-9 | 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

**Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**

None of the ingredients is listed.

**SARA Section 312/Tier I & II Hazard Categories:**Physical Hazard - Flammable (gases, aerosols, liquids, or solids)  
Health Hazard - Respiratory or Skin Sensitization  
Health Hazard - Specific target organ toxicity (single or repeated exposure)  
Health Hazard - Aspiration Hazard**North America Chemical Inventory Status****TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**CEPA (Canadian DSL):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**California Proposition 65****Chemicals known to cause cancer:**

Isopropylbenzene

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**Carcinogenicity Categories****EPA (Environmental Protection Agency)**

95-63-6 | 1,2,4-trimethylbenzene

II

**TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)****Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable**

None of the ingredients is listed.

**NIOSH-Cancer (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**Volatile Organic Compounds (VOC) reported per the Emission Standards. 320 g/L****16 Other information**

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

**Department issuing SDS:**GCP Applied Technologies  
62 Whittemore Avenue  
Cambridge, MA 02140 USA

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USA: +1-617-876-1400 (24 hours)  
+1-800-354-5414**Date of preparation / last revision** 03/21/2017 / -**The first date of preparation** 03/13/2017**Number of revision times and the latest revision date** 1.0 / 03/21/2017

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