

MATERIAL SAFETY DATA SHEET

RECORD NO.: P575

United Chemical Technologies, Inc. : 24 Hour Phone (CHEMTREC) - (800)424-9300
2731 Bartram Road : (CHEMTREC is for chemical emergencies)
Bristol, PA 19007 : Information Phone - (215)781-9255

SECTION 1. NAME AND PRODUCT

PR6155

NAME: PR6155

SYNONYMS: Methylsilsesquioxane; Methylsilsesquioxane

CAS REG.NO.: 68554-70-1* FORMULA: NA

SECTION 2. HAZARDOUS INGREDIENTS

PR6155

COMPONENT	ACGIH TLV	OSHA PEL
Methylsilsesquioxane [68554-70-1*] (>90%)	NA	NA
Toluene [108-88-3] (<10% as an impurity) (+)(+++)	TWA 50ppm	100ppm
	STEL NA	150PPM
	Ceiling NA	300ppm
	Max. Exp. Lim. (10 min) NA	500ppm

LEGEND:

- (+) This chemical is subject to the reporting requirements of SARA Title III Section 313 and 40CFR Part 372, and is potentially at the maximum concentration listed.
- (++) SARA Title III Section 302 Extremely Hazardous Substance
- (+++) CERCLA Hazardous Substance
- [00000-00-0] Chemical Abstracts Services Registry Number.

If no marks appear with a listed ingredient, then the ingredient is not included in any of the regulatory categories appearing in the Legend of this Material Safety Data Sheet.

SECTION 3. PHYSICAL DATA

PR6155

APPEARANCE: White crystals

B.PT.(deg.C/mm): NA

VAPOR PRESSURE(mm/deg.C): NA

M.PT.(deg.C): -95

VAPOR DENSITY(AIR=1): NA

% SOLUBLE IN WATER: Insoluble

SPECIF.GRAVITY: 1.08

% VOLATILE BY VOLUME: NA

SECTION 4. FIRE AND EXPLOSION HAZARD

PR6155

FLASH POINT: NA

FLAMMABLE LIMITS (STP IN AIR)

LOWER LIMITS: NA

UPPER LIMITS: NA

FIRE EXTINGUISHING MEDIA: Water, CO2, foam, dry chemical

PERSONAL PROTECTION FOR FIGHTING FIRE: Fire fighters must wear positive-pressure, self-contained breathing apparatus and full protective clothing.

SECTION 5. REACTIVITY DATA

PR6155

STABILITY (UNDER NORMAL CONDITIONS): Stable

CONDITIONS TO AVOID:

Contact with water or moist air.
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID:

NA

HMIS RATINGS (Scale 0-4)

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

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SECTION 6. SPILL OR LEAK PROCEDURES

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PR6155

IN CASE OF SPILL:

Absorb spilled material with suitable chemical binder.
Shovel absorbent into suitable waste container.
Do not contaminate soil, groundwater, or surface water.

DISPOSAL METHOD:

Incinerate. Follow all federal, state, and local regulations.

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SECTION 7. HEALTH HAZARD DATA

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PR6155

TOXICITY: NA

#Material contains Toluene which has exhibited teratogenic effects in laboratory animals and is presently undergoing carcinogenicity testing under the NTP.

Toluene is a SARA Toxic Chemical and a CERCLA Hazardous Substance. Superfund RQ= 454kg.

Toluene:

Toxicity Data; ihl-hmn TCLo: 200ppm; ihl-man TCLo: 100ppm; orl-rat LD50: 5000 mg/kg; Skn-rbt LD50: 12,124 mg/kg.

Irritation Data; eye-hmn 300ppm; skn-rbt 500 mg MOD IRR; eye-rbt 870 ug MLD IRR; eye-rbt 2mg/ 24 Hours SEV IRR; skn-rbt 435 mg MLD IRR.

Reproductive Toxicity Data;

ihl-rat TCLo: 1500 mg/m3/ 24 Hours (1-8 Days Pregnant)
ihl-rat TCLo: 1000 mg/m3/ 24 Hours (7-14 Days Pregnant)
ihl-mus TCLo: 500 mg/m3/ 24 Hours (6-13 Days Pregnant)
ihl-mus TCLo: 1000 mg/m3/ 6 Hours (2-17 Days Pregnant)
orl-mus TDLo: 9 g/kg (6-15 Days Pregnant)
orl-mus TDLo: 15 g/kg (6-15 Days Pregnant)
orl-mus TDLo: 30 g/kg (6-15 Days Pregnant)

Increased incidence of musculoskeletal/craniofacial malformations, fetotoxicity, and fetolethality were reported.

N-Methylsilazane Resin:

No Information Available.

#Material contains Toluene which has exhibited teratogenic effects in laboratory animals and is presently undergoing carcinogenicity testing under the NTP.

Toluene is a SARA Toxic Chemical and a CERCLA Hazardous Substance. Superfund RQ= 454kg, therefore the RQ for PS117= 605.33 kg.

Toluene:

Toxicity Data; ihl-hmn TCLo: 200ppm; ihl-man TCLo: 100ppm; orl-rat LD50: 5000

mg/kg; Skn-rbt LD50: 12,124 mg/kg.

Irritation Data; eye-hmn 300ppm; skn-rbt 500 mg MOD IRR; eye-rbt 870 ug MLD IRR; eye-rbt 2mg/ 24 Hours SEV IRR; skn-rbt 435 mg MLD IRR.

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Increased incidence of musculoskeletal/craniofacial malformations, fetotoxicity, and fetolethality were reported.

ROUTES AND EFFECTS OF EXPOSURE:

EYES: *Irritant.

SKIN: *Irritant.

INHALATION: *Irritant.

Harmful if inhaled. Particles may cause irritation to pulmonary mucous membranes.

INGESTION: Effects undetermined. Treat as toxic.

Harmful if swallowed. May cause gastrointestinal tract irritation.

NOTE:

Material contains organic solvent (Toluene) which produces nervous system depression and coma in acute poisoning.

Symptoms may include dizziness, anesthesia, and nausea eventually leading to respiratory arrest and death.

Ingestion of solvent with subsequent aspiration of minute quantities of solvent into the lungs may lead to severe pulmonary injury, edema, and death.

* The information provided here is based on published data for structurally analogous chemicals (not on bio-assay of this specific substance)

FIRST AID PROCEDURES:

EYES: Flush with clean water for at least 15 minutes and consult physician

SKIN: Scrub with soap and water

SKIN: Remove contaminated clothing and shoes

INHALATION: Remove victim to fresh air

INHALATION: Give CPR or oxygen if necessary

INGESTION: Get medical attention

---If symptoms persist, get medical attention---

---Never give anything by mouth to an unconscious person---

CARCINOGEN STATUS: NTP?: No IARC MONOGRAPH?: No OSHA REGULATED?: No

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SECTION 8. SPECIAL PROTECTION INFORMATION PR6155

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VENTILATION:

Maintain adequate ventilation

RESPIRATORY PROTECTION:

In case of exposure, use appropriate NIOSH approved respiratory protection

PROTECTIVE CLOTHING:

Use impervious gloves

EYE PROTECTION:

Use safety glasses with side shields.

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SECTION 9. PRECAUTIONS OR OTHER COMMENTS PR6155
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HANDLING AND STORAGE:

Store in a cool and dry place

Protect from moisture

Avoid generating dust

Provide adequate ventilation

PROPER SHIPPING NAME: Not regulated

Since empty containers retain product residue, follow hazard precautions even after container is emptied.

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