

Material Safety Data Sheet



WHMIS 	Protective Clothing 	TDG Road / Rail
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Section 1. Product Identification and Uses			
Product Name	76333 Economy Silicone Mould Release	CI#	Not available.
Synonyms	Not available.	DSL	Not available.
Chemical Name	Not applicable.	CAS #	Not applicable.
Chemical Formula	Chemical mixture.	Code	1515-03-003
Chemical Family	Chlorinated hydrocarbon/silicone.	Molecular Weight	Not applicable.
Supplier	Osborn International 5401 Hamilton Avenue, Cleveland, Ohio, U.S.A. 44114 PHONE: (216) 361-1900	Manufacturer	Manufactured for: Osborn International
Material Uses	Silicone mould release spray.		

Section 2. Hazardous Ingredients			
Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀
1) Trichloroethylene	79-01-6	40-70	ORAL (LD50): Acute: 4920 mg/kg [Rat]. VAPOR (LC50): Acute: 7480 ppm 4 hour(s) [Mouse]. Not available.
2) Liquefied petroleum gas	68476-85-7	15-40	

Section 3. Physical Data			
Physical State and Appearance	Liquid (Aerosol Concentrate).	Odor	Characteristic.
pH (1% Soln/Water)	Not applicable.	Taste	Not available.
Odor Threshold	Not available.	Color	Clear.
Volatility	Not available.		
Evaporation Rate	Not available.		
Melting Point	Not available.		
Boiling Point	The lowest known value is 86.7°C (188.1°F) (Trichloroethylene).		
Density	1.412 @ 20°C (68°F) (Water = 1)		
Vapor Density	Heavier than air (Air = 1)		
Vapor Pressure	Not available.		
LogK_{ow}	Not available.		
Ionicity (Surface Active Agent)	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Conditions of Instability	Not available.		
Dispersion Properties	Is not dispersed in water.		
Solubility	Insoluble in water.		

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Section 4. Fire and Explosion Data

The Product is:	Extremely Flammable Aerosol
Auto-ignition Temperature	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂), hydrogen chloride, traces of phosgene, chlorine and silicone dioxide and other irritating gases.
Flash Points	CLOSED CUP: (TAG) -104°C (-155.2°F) (Liquefied petroleum gas).
Flammable Limits	LOWER: 1.8% UPPER: 9.5%
Extinguishing Media	SMALL FIRE: Use DRY chemicals, CO ₂ or foam. LARGE FIRE: Use foam or water fog. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition or explosion. Avoid spreading burning liquid with water used to cool containers. Self-contained respiratory protection should be provided for firefighters.
Flammability	The flammability of an aerosol by WHMIS definition is determined by its flame-extension or its flashback. The flame-extension of this product is greater than 45 cm. FIRE CODE: Level 1 Aerosol (as per NFPA 30B). Do not use in the presence of open flame or spark. Do not place in hot water or near radiators, stoves or other sources of heat.
Risks of Explosion	Risks of explosion of the product in presence of mechanical impact: Do NOT subject aerosol cans to impact. Risk of explosion of the product in the presence of static discharge: Vapours of this product may form a flammable/explosive mixture when vapours present are between the lower (1.8%) and upper (9.5%) flammable limits and come into contact with open flames, sparks or static discharge. Do NOT expose aerosol containers to open flames, heat or ignition sources. Container may explode if heated.

Section 5. Reactivity

Stability	The product is stable.
Hazardous Decomposition Products	These products are carbon oxides (CO, CO ₂), hydrogen chloride, traces of phosgene, chlorine and silicone dioxide and other irritating gases.
Degradability	Not available.
Products of Degradation	Not available. Not available.
Corrosivity	No specific information is available in our data base regarding the corrosivity of this product in presence of various materials.
Reactivity	Avoid contact with strong oxidizing agents, strong reducing agents, strong acids, strong alkalis and chemically reactive metals (magnesium, sodium, potassium, barium, aluminum and their alloys), particularly if they are finely divided. Keep away from heat, sparks, open flame and all possible ignition sources. Alcohols may interact synergistically with chlorinated solvents.
Instability Temperature	Not available.
Conditions of Instability	Not available.

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Section 6. Toxicological Properties



Routes of Entry	Ingestion. Inhalation. Skin contact. Eye contact.
TLV	<p>Trichloroethylene TWA: 50 (ppm)</p> <p>Liquefied petroleum gas TWA: 1000 CEIL: 1250 (ppm) TWA: 1800 CEIL: 2250 (mg/m³)</p> <p>Consult local authorities for acceptable exposure limits.</p>
Toxicity to Animals	<p>WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.</p> <p>Acute oral toxicity (LD50): 4920 mg/kg [Rat] (Trichloroethylene). Acute toxicity of the vapor (LC50): >5000 ppm [Mouse] (Trichloroethylene).</p>
Chronic Effects on Humans	Repeated and prolonged skin contact may lead to dermatitis.
Acute Effects on Humans	<p>EYE CONTACT: May cause irritation, redness, tearing and pain. Vapours may be irritating to the eyes. This product is an eye irritant.</p> <p>SKIN CONTACT: May cause irritation, defatting, drying and cracking of skin.</p> <p>INHALATION: Vapours may be irritating to the nose, throat and respiratory tract. Excessive inhalation of vapours may cause difficult breathing, heart irregularities, liver and kidney damage and Central Nervous System effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.</p> <p>INGESTION: May cause a burning sensation of the mouth and throat, abdominal pain, nausea, vomiting, diarrhea, liver and kidney damage and Central Nervous System effects (see inhalation). Aspiration of material into the lungs can cause chemical pneumonitis, which can be fatal. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.</p>
Synergetic Products (Toxicologically)	Not available.
Irritation/Corrosivity	See acute effects on humans.
Sensitization	<p>Trichloroethylene may cause skin sensitization or other allergic reactions.</p> <p>Trichloroethylene may sensitize heart muscle causing cardiac arrhythmia, in rare cases.</p>
Carcinogenic Effects	Trichloroethylene is classified as a suspected carcinogen by the American Conference of Governmental Industrial Hygienists (ACGIH).
Toxic Effects on Reproduction	Not available.
Teratogenic Effects	Not available.
Mutagenic Effects	Not available.

Section 7. Preventive Measures

Small Spill and Leak	Ventilate area and eliminate sources of ignition. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. It is recommended that chemical resistant gloves be worn to clean up spills.
Personal Protective Equipment	<p>Safety glasses and chemical resistant gloves. Be sure to use a MSHA/NIOSH approved respirator or equivalent when ventilation is inadequate.</p>
Large Spill and Leak	Not applicable for aerosol containers.
Protective Clothing	Not applicable for aerosol containers.
Engineering Controls	Use under well-ventilated conditions.



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Precautions	Contents under pressure. Container may explode if heated. Direct inhalation of spray may be harmful. Vapour harmful. Keep out of reach of children.
Storage	Store in a cool, dry place. Do not place in hot water or near radiators, stoves or other sources of heat. Do not puncture or incinerate container or store at temperatures over 50°C or in direct sunlight.
Handling	Do NOT use in the presence of spark or open flame. Keep away from heat. Avoid breathing vapours or spray mists. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities. Do not dispose in sewers. When container is empty, press button to release all pressure, then dispose of in garbage can.
Special Shipping Information	None.

Section 8. First Aid

Eye Contact	IMMEDIATELY flush eyes with plenty of water for at least 15 minutes, lifting upper and lower lids, occasionally. If irritation persists, repeat flushing. Get medical attention.
Skin Contact	Wash with soap and water. If irritation persists, get medical attention. Remove contaminated clothing and wash before reuse.
Hazardous Skin Contact	No additional information.
Slight Inhalation	Remove affected person to fresh air. Oxygen may be administered if breathing is difficult. If the victim is not breathing, perform mouth-to-mouth resuscitation. Get medical attention.
Hazardous Inhalation	No additional information.
Slight Ingestion	If swallowed, call physician or poison control centre immediately. DO NOT induce vomiting. Rinse out mouth with water, then have conscious person drink 1 to 2 glasses of water. Do not give anything by mouth to an unconscious person. Aspiration of material into lungs due to vomiting may cause chemical pneumonitis which can be fatal.
Hazardous Ingestion	No additional information.

Section 9. MSDS Preparation

References	Not available.
No additional remark.	
Validated by Regulatory Affairs Dept. on 8/14/2002.	Verified by Regulatory Affairs Dept. Printed 8/14/2002.

Emergency Phone: (905) 677-1948



Responsible
Name/
Telephone No.


Classification

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Not applicable.

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<p>WHMIS</p> <p>WHMIS CLASS A: Compressed gas. WHMIS CLASS B-5: Flammable aerosol. WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).</p>	
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