

Material Safety Data Sheet



WHMIS 	Protective Clothing 	TDG Road / Rail
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Section 1. Product Identification and Uses			
Product Name	HI-BUILD STONE SHIELD	CI#	Not applicable.
Synonyms	Not available.	DSL	Not available.
Chemical Name	Not applicable.	CAS #	Not applicable.
Chemical Formula	Chemical mixture.	Code	11008 (RC7010)
Chemical Family	Organic/inorganic	Molecular Weight	Not applicable.
Supplier	RUST CHECK CORP. 6175 Danville Road, Mississauga, Ontario L5T 2H7 PHONE: (905) 670-5411	Emergency Number	CANUTEC (24 HR) (613)996-6666
Material Uses	Rubberized undercoating for vehicles.		

Section 2. Hazardous Ingredients			
Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀
1) Toluene	108-88-3	30-60	ORAL (LD50) mg/kg: Acute: 6520 (Rat). 2600 (Rat). DERMAL (LD50) mg/kg: Acute: 12210 (Rabbit). VAPOR (LC50) ppm : Acute: 8000 (Rat) (4 hour(s)). VAPOR (LC50) ppm : Acute: 3400 (Rat) (4 hour(s)).
2) Petroleum Naphtha	64742-89-8	10-30	Not available.
3) Carbon black	1333-86-4	1-5	
4) Propane	74-98-6	10-30	
5) Isobutane	75-28-5	5-10	

Section 3. Physical Data			
Physical State and Appearance	Liquid (Aerosol Concentrate).	Odor	Aromatic.
pH (1% Soln/Water)	Not applicable.	Taste	Not available.
Odor Threshold	2.14 ppm based on data for: Toluene	Color	Black
Volatility	Not available.		
Evaporation Rate	1.8 based on data for: Toluene. Weighted average: 1.76 [Butyl acetate.]		
Melting Point	Not available.		
Boiling Point	110.6°C (231.1°F) based on data for: Toluene. Weighted average: 111.12°C (232°F)		
Density	0.93 (Water = 1)		
Vapor Density	3.18 (Air = 1) based on data for: Toluene		
Vapor Pressure	Weighted average: 23.64 mm of Hg (@ 20°C)		
LogK _{ow}	Less than 1.		
Ionicity (Surface Active Agent)	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Conditions of Instability	No additional remark.		

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Dispersion Properties	Is not dispersed in cold water, hot water. See solubility in methanol, diethyl ether, n-octanol.
Solubility	Easily soluble in diethyl ether, n-octanol. Soluble in methanol. Insoluble in cold water, hot water.



Section 4. Fire and Explosion Data

The Product is:	Extremely Flammable Aerosol
Auto-ignition Temperature	480°C (896°F) based on data for: Toluene.
Products of Combustion	These products are carbon oxides (CO, CO ₂), hydrogen sulphide and other irritating vapours.
Flash Points	CLOSED CUP: (Setaflash) 4.4°C (39.9°F) (Toluene).
Flammable Limits	LOWER: 1.2% (Toluene) UPPER: 7.1% (Toluene)
Extinguishing Media	SMALL FIRE: Use DRY chemicals, CO ₂ , alcohol foam or water spray. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. 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 3 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. Very slightly to slightly explosive in presence of oxidizing materials. Risk of explosion of the product in the presence of static discharge: Aerosol spray may be sensitive to static discharge due to flammable concentrate and flammable propellant. Vapours of this product may form a flammable/explosive mixture when vapours present are between the lower (1.2%) and upper (7.1%) 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 sulphide and other irritating vapours.
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	Highly reactive with oxidizing agents. Slightly reactive to reactive with acids, alkalis. Very slightly to slightly reactive with reducing agents, organic materials.
Instability Temperature	Not available.
Conditions of Instability	No additional remark.

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Section 6. Toxicological Properties



Routes of Entry	Ingestion. Skin contact. Inhalation. Eye contact.
TLV	<p>Toluene TWA: 50 CEIL: 150 (ppm) TWA: 375 CEIL: 560 (mg/m³)</p> <p>Petroleum Naphtha TWA: 400 (ppm)</p> <p>Carbon Black TWA: 3.5 CEIL: 7 (mg/m³)</p> <p>Propane Simple asphyxiant.</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): 2600 mg/kg (Rat) (Toluene). Acute dermal toxicity (LD50): > 5000 mg/kg (Rabbit) (Toluene). Acute toxicity of the gas (LC50): 142500 ppm 4 hour(s) [Rat]. (Iso-Butane). Acute toxicity of the vapor (LC50): 3400 ppm (Rat) (Petroleum Naphtha). Acute toxicity of the vapor (LC50): > 5000 ppm (Rat) (Toluene).</p>
Chronic Effects on Humans	Prolonged or repeated skin contact may lead to dermatitis.
Acute Effects on Humans	<p>EYE CONTACT: May cause irritation, redness and tearing.</p> <p>SKIN CONTACT: May cause irritation, defatting, drying and cracking of skin.</p> <p>INHALATION: Vapours may be irritating to nose, throat and respiratory tract. Excessive inhalation of vapours may cause Central Nervous System effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.</p> <p>INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs may 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	Not available.
Sensitization	Not available.
Carcinogenic Effects	Not available.
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 all sources of ignition. Keep away from heat. Absorb with an inert DRY material and place in an appropriate waste disposal container.
Personal Protective Equipment	Recommend safety glasses and chemical resistant gloves.
Large Spill and Leak	Not applicable for aerosol containers.
Protective Clothing	Not applicable for aerosol containers.



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Engineering Controls	Use under well-ventilated conditions.
Precautions	Contents under pressure. Container may explode if heated. Direct inhalation of spray may be 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 120°F (50°C) or in direct sunlight.
Handling	Do not use in the presence of open flame, sparks or ignition sources. 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	Flush eyes with plenty of running water for at least 15 minutes, lifting upper and lower lids, occasionally. Get medical attention.
Skin Contact	Wash thoroughly 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. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Get medical attention.
Hazardous Inhalation	No additional information.
Slight Ingestion	If swallowed, call physician or poison control centre immediately. DO NOT induce vomiting. Rinse mouth with water. 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 March 31, 2016	

Emergency Phone: (905) 670-5411, (613) 996-6666, 1 (800) 265-0790

Responsible
Name/
Telephone No.


Classification

TDG Road / Rail AEROSOL CONSUMER COMMODITY. CLASS 2 UN 1950.

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Not applicable.

WHMIS WHMIS CLASS A: Compressed gas. WHMIS CLASS B-5: Flammable aerosol. WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).	
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To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.