

SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, and Canadian WHMIS Standards

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

IDENTIFICATION of the SUBSTANCE or PREPARATION:

<u>TRADE NAME (AS LABELED):</u>	SRP 7000 One-Step for Glass
<u>PRODUCT CODE:</u>	1898
<u>CHEMICAL NAME/CLASS:</u>	Heptane Mixture
<u>U.N. NUMBER:</u>	1263
<u>U.N. DANGEROUS GOODS CLASS/SUBSIDIARY RISK:</u>	Class 3 (Flammable)
RELEVANT USES of the SUBSTANCE:	Automotive Glass Polyurethane Adhesive Primer
USES ADVISED AGAINST:	Other than Relevant Use
COMPANY/UNDERTAKING IDENTIFICATION:	
<u>U.S. DISTRIBUTOR'S NAME:</u>	SHAT-R-PROOF CORP.
<u>ADDRESS:</u>	650 Pelham Boulevard, Suite 100 St Paul, MN 55114
<u>MEDICAL EMERGENCIES:</u>	1-800-420-8036
<u>TRANSPORT EMERGENCIES:</u>	1-800-424-9300 (ChemTrec) 1-703-527-3887 (ChemTrec International)
<u>EMAIL ADDRESS FOR MSDS INFORMATION:</u>	msds-info@novusglass.com
<u>DATE OF PREPARATION:</u>	October 3, 2003
<u>DATE OF REVISION:</u>	January 15, 2015

2. HAZARD IDENTIFICATION

OSHA HAZARD COMMUNICATION (GLOBAL HARMONIZATION) LABELING AND CLASSIFICATION: This product would be classified as follows, per OSHA's Hazard Communication Standard (29CFR §1910.1200). This is a self-classification.

Classification: Flammable Liquid Cat. 2, Aspiration Toxicity Category 1, Eye Damage Category 1, Skin Sensitization Category 1, Skin Irritation Category 2, Single Target Organ Toxicity Category 3 (Respiratory Irritation, Narcotic Effects)

Signal Word: Danger

Hazard Statement Codes: H225, H304, H318, H317, H315, H335, H336

Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes serious eye damage. May cause an allergic skin reaction. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary Statement Codes: P210, P233, P240, P241, P242, P243, P261, P271, P280, P370+P378, P304+P340, P312, P321, P303+ P361+P362+P353, P332+P313, P305+P351+P338, P301+P310, P331, P403+P405+P233+P235, P501

Keep away from sparks/open flames - no smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof ventilating equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapors. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves and clothing and eye and face protection.

IN CASE OF FIRE: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Center or doctor/physician if you feel unwell. Specific treatment (remove from exposure and treat symptoms).

IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. If skin irritation occurs, get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Immediately call a Poison Center or doctor/physician. Do NOT induce vomiting.



Store locked up in a well-ventilated place. Keep container tightly closed and cool.

Dispose of contents/container in accordance with advice in Section 13.

Hazard Symbols/Pictograms: GHS02, GHS05, GHS08, GHS07 (not included on label)



3. COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% w/v	OSHA GHS Hazard Symbol	OSHA GHS Classification/Hazard Codes
Organotitanate Compound	Proprietary	1 - 5%	None	Classification: None
N-(3-(Trimethoxysilyl)propyl)ethylenediamine (See "Organosilane" in this SDS)	1760-24-3	1 - 10%		SELF-CLASSIFICATION Classification: Eye Damage Cat. 1, STOT SE 3 (Respiratory Irritation), Skin Sensitization Cat. 1, Skin Irritation Cat. 2 Hazard Codes: H318, H335, H317, H315
Heptane	142-82-5	60-100%		Classification: Flammable Liquid Cat. 2, Aspiration Toxicity Cat. 1, Skin Irritation Cat. 2, STOT SE 3 (Narcotic Effects), Aquatic Toxicity (Acute) Cat. 1, Aquatic Toxicity (Chronic) Cat. 1 Hazard Codes: H225, H304, H315, H336, H400, H410

NOTE (1): ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES: Contaminated individuals should be taken for medical attention if they feel unwell or if adverse effects occur. Take copy of label and SDS to physician or health professional with contaminated individual.

SKIN EXPOSURE: If this material contaminates the skin, begin decontamination with running water. Recommended flushing is for 15 minutes if any sign of skin irritation develops. Contaminated individual should seek immediate medical attention if any adverse exposure symptoms develop.

EYE EXPOSURE: If this product enters the eyes, open contaminated individual's eyes while under gently running water. Use sufficient force to open eyelids. Have contaminated individual "roll" eyes. Minimum flushing is for 15 minutes. Do not interrupt flushing. Contaminated individual must seek medical attention if any adverse effect occurs.

INHALATION: If this product is inhaled, remove contaminated individual to fresh air. If adverse effect occurs, seek medical attention.

INGESTION: If this material is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, do not induce vomiting. Victim should drink milk, egg whites, or large quantities of water. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow.

MOST IMPORTANT SYMPTOMS/EFFECTS: See Sections 2 (Hazard Identification) and 11 (Toxicological Information) for description of possible health effects from exposure to this product.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin disorders and central nervous system conditions may be aggravated by prolonged overexposure to this product.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT IF NEEDED: Treat symptoms and eliminate overexposure. Consider gastric lavage with activated charcoal in event of ingestion. Consideration should be given to the use of an intratracheal tube to prevent aspiration. Individuals intoxicated by petroleum distillates should be hospitalized immediately, with acute and continuing attention to neurologic and cardiopulmonary function. Positive pressure ventilation may be necessary. After the initial episode, individuals should be followed for changes in blood variables and the delayed appearance of pulmonary edema and chemical pneumonitis. Such patients should be followed for several days or weeks for delayed effects, including bone marrow toxicity and hepatic and renal impairment. Individuals with chronic pulmonary disease will be more seriously impaired, and recovery from inhalation exposure may be complicated.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Not established for product. The following value is for the main component, Heptane: -4°C (24.8°F)

AUTOIGNITION TEMPERATURE: Not established.

FLAMMABLE LIMITS (in air by volume, %): Not established for product. The following values are for the main component, Heptane.

Lower: 1.1%

Upper: 7%

FIRE EXTINGUISHING MEDIA: Use extinguishing material suitable to the surrounding fire, including halon, carbon dioxide, dry chemical and ABC class. Water spray may be used for cooling of containers.

UNSUITABLE EXTINGUISHING MEDIA: None known.

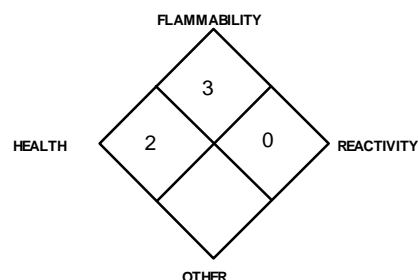
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE: This product is a flammable liquid. When involved in a fire, this material may decompose and produce irritating vapors and toxic gases (e.g., carbon dioxide, carbon monoxide, nitrogen oxides, hydrogen cyanide, reactive hydrocarbons and aldehydes). The vapors of this product may travel to a source of ignition, and flashback to a leak or open container.

Explosion Sensitivity to Mechanical Impact: Not applicable.

Explosion Sensitivity to Static Discharge: Vapors of this product may be ignited by static discharge if a high concentration is allowed to accumulate.

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS: Structural fire-fighters must wear Self-Contained Breathing Apparatus and full protective equipment. Chemical resistant clothing may be necessary. Move containers from fire area if it can be done without risk to personnel. Due to the low flash point of this product, water may be ineffective to extinguish fires involving this product). Water spray can be used to cool fire-exposed containers. Water fog or spray can also be used by trained fire-fighters to disperse this product's vapors and to protect personnel. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas. Rinse contaminated equipment thoroughly with soapy water before returning such equipment to service.

NFPA RATING



Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate
3 = Serious 4 = Severe

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS AND EMERGENCY PROCEDURES: Proper protective equipment should be used. In case of a spill, clear the affected area and protect people. Eliminate all sources of ignition before clean-up begins. Use non-sparking tools. Care should be taken as vapors of this product are heavier than air and can accumulate in low-lying pockets, creating a fire hazard. The atmosphere must have levels of components lower than those listed in Section 8, (Exposure Controls-Personal Protection) and at least 19.5 percent oxygen before personnel can be allowed into the area without Self-Contained Breathing Apparatus (SCBA).

PERSONAL PROTECTIVE EQUIPMENT:

Small spills: Wear gloves, goggles and apron.

Large Spills: Minimum Personal Protective Equipment should be **Level B: triple-gloves (rubber gloves and nitrile gloves, over latex gloves), chemically resistant suit and boots, hard-hat, and Self-Contained Breathing Apparatus.**

METHODS FOR CLEANUP AND CONTAINMENT:

Small spills: Absorb spilled liquid with polypads or other suitable absorbent materials.

Large Spills: The level of vapors must be below 10% of the LEL (see Section 5, Fire-Fighting Measures), before personnel are allowed into the spill area. Absorb spilled liquid with activated carbon, polypads, or other suitable absorbent materials. Decontaminate the area thoroughly. Prevent material from entering sewer or confined spaces.

All spills: Place all spill residue in a double plastic bag and seal. Dispose of in accordance with applicable U.S. Federal, State, or local procedures, or appropriate Canadian Standards (see Section 13, Disposal Considerations).

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Run-off water may be contaminated by other materials and should be contained to prevent possible environmental damage.

REFERENCE TO OTHER SECTIONS: See information in Section 8 (Exposure Controls – Personal Protection) and Section 13 (Disposal Considerations) for additional information.

7. HANDLING and USE

PRECAUTIONS FOR SAFE HANDLING: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors or mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately. All employees who handle this material should be trained to handle it safely. Keep away from heat, sparks, and other sources of ignition. Keep container tightly closed when not in use. Use non-sparking tools. Bond and ground containers during transfers of material. If this product is transferred into another container, only use portable containers and dispensing equipment (faucet, pump, drip can) approved for flammable liquids.

CONDITIONS FOR SAFE STORAGE: Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers or in a diked area, as appropriate. Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity). Containers should be separated from oxidizing materials by a minimum distance of 20 ft. or by a barrier of non-combustible material at least 5 ft. high having a fire-resistance rating of at least 0.5 hours. Storage areas should be made of fire resistant materials. Post warning and "NO SMOKING" signs in storage and use areas, as appropriate. Have appropriate extinguishing equipment in the storage area (i.e., sprinkler system, portable fire extinguishers). Inspect all incoming containers before storage to ensure containers are properly labeled and not damaged. Refer to NFPA 30, *Flammable and Combustible Liquids Code*, for additional information on storage. Empty containers may contain residual liquid or vapors which are flammable; therefore, empty containers should be handled with care. Never perform any welding, cutting, soldering, drilling, or other hot work on an empty container or piping until all liquid, vapors, and residue have been cleared.

SPECIFIC END USES: This product is used as a surface primer with windshield replacement adhesives.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely, if necessary. Collect all rinsates and dispose of according to applicable U.S. Federal, State, or local procedures and appropriate Canadian standards.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/CONTROL PARAMETERS:

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation. Use a mechanical fan or vent area to outside. Where appropriate, use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Ensure eyewash/safety shower stations are available near areas where this product is used.

OCCUPATIONAL/WORKPLACE EXPOSURE LIMITS/GUIDELINES:

CHEMICAL NAME	CAS #	EXPOSURE LIMITS IN AIR							OTHER	
		ACGIH-TLVS		OSHA-PELS		NIOSH-RELS		NIOSH		
		TWA	STEL	TWA	STEL	TWA	STEL			IDLH
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	mg/m ³	
Organosilane	Proprietary	NE	NE	NE	NE	NE	NE	NE	NE	NE
Heptane	142-82-5	400	500	400	500	85	440 (ceiling, 15 min)	750	EU OEL: 500 ppm, 2085 mg/m ³ as TWA (EU 2000)	
Proprietary Organotitanate		NE	NE	NE	NE	NE	NE	NE	NE	

NE = Not Established.

PROTECTIVE EQUIPMENT: The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standards of Canada. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below guidelines listed in this section, if applicable. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134 or applicable State regulations. For operations in which mists or sprays of this product will be generated use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards. The following NIOSH respiratory protection recommendations are for the Heptane components in air.

HEPTANE

CONCENTRATION

Up to 750 mg/m³:

RESPIRATORY PROTECTION

- Any Chemical Cartridge Respirator with organic vapor cartridge(s)
- Any air-purifying, full-facepiece respirator with a chin-style, front- or back-mounted organic vapor canister
- Any powered, air-purifying respirator with organic vapor cartridge(s)
- Any supplied-air respirator
- Any self-contained breathing apparatus with a full facepiece

Emergency or Planned Entry into Unknown Concentrations or IDLH Conditions:

- Any SAR with full facepiece and operated in a pressure-demand or other positive-pressure mode and/or in combination with a separate escape supply, or any SCBA with a full facepiece.

Escape:

- Any Air-Purifying Respirator with a full facepiece and an organic vapor canister, or any appropriate escape-type, SCBA.

EYE PROTECTION: If necessary, refer to U.S. OSHA 29 CFR 1910.133 or Canadian CSA Standard Z94.3-07, for further information.

HAND PROTECTION: Polyvinyl alcohol, polyethylene/ethylene vinyl alcohol, 4H™, Barricade™, or Responder™ gloves. Natural rubber, butyl rubber, neoprene, polyvinyl chloride, and nitrile gloves are not recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada for further information.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION, continued

BODY PROTECTION: None normally needed under typical circumstances of use. If necessary, use body protection appropriate for task (e.g., Tyvek suit, rubber apron). If necessary, refer to the OSHA Technical Manual (Section VII: Personal Protective Equipment) or appropriate Standards of Canada. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136 and the Canadian CSA Standard Z195-02, *Protective Footwear*.

9. PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid.

MOLECULAR FORMULA: Mixture.

ODOR: Sweet

RELATIVE VAPOR DENSITY (air = 1): Not established.

SPECIFIC GRAVITY (water = 1): Not established.

SOLUBILITY IN WATER: Soluble.

VAPOR PRESSURE: < 110 kPa (1.10 bar)

% VOLATILE: >90%.

COEFFICIENT OF OIL/WATER DISTRIBUTION (PARTITION COEFFICIENT): Not established.

HOW TO DETECT THIS SUBSTANCE (warning properties): The odor of this product may act as a warning of this product, but should not be relied upon conclusively.

COLOR: Clear.

MOLECULAR WEIGHT: Mixture.

ODOR THRESHOLD: Not established for product.

EVAPORATION RATE (nBuAc = 1): Not established.

MELTING/FREEZING POINT: Not established.

BOILING POINT: Not established (98° for Heptane).

pH: Not established.

10. STABILITY and REACTIVITY

CHEMICAL STABILITY: Stable.

DECOMPOSITION PRODUCTS: The products of thermal decomposition of this material include irritating vapors and toxic gases (e.g., carbon dioxide, carbon monoxide, nitrogen oxides).

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: This product is incompatible with strong oxidizing agents.

POSSIBILITY OF HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: Contact with incompatible chemicals, exposure to elevated temperatures.

11. TOXICOLOGICAL INFORMATION

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:

The most significant routes of occupational overexposure are inhalation of vapors and contact with skin and eyes. The symptoms of overexposure to this product, via route of exposure, are as follows:

INHALATION: If high concentrations of vapors of this product are inhaled (as may occur if this material is used in a poorly ventilated area), symptoms of central nervous system depression may occur (e.g., headaches, dizziness, nausea, incoordination, light-headedness, and drowsiness). Inhalation may cause irritation of the nose, throat and respiratory system, especially if inhalation exposure is prolonged. Symptoms may include coughing, sneezing and difficulty breathing. Repeated or prolonged exposures may cause behavioral (neurological) changes and kidney and central nervous system damage, loss of appetite, and visual disturbances.

CONTACT WITH SKIN or EYES: Skin contact may cause reddening, discomfort, and irritation. Skin inflammation is characterized by itching, scaling, reddening or occasionally, blistering. Repeated or prolonged contact may result in defatting, redness, itching, inflammation, cracking and possible secondary infection. Direct contact with the eyes can be severely irritating and will result in immediate pain, tearing. Redness, itching, burning sensation and visual disturbances may indicate excessive eye contact. Vapors of the product may cause watering and irritation of the eyes.

SKIN ABSORPTION: Absorption from prolonged or massive skin contact may cause systemic poisoning.



HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD	(BLUE)	2
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FLAMMABILITY HAZARD	(RED)	3
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PHYSICAL HAZARD	(YELLOW)	0
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PROTECTIVE EQUIPMENT

EYES	RESPIRATORY	HANDS	BODY
	SEE SECTION 8		SEE SECTION 8

For Routine Industrial Use and Handling Applications

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate
3 = Serious 4 = Severe * = Chronic hazard

11. TOXICOLOGICAL INFORMATION, continued

INGESTION: Ingestion is not anticipated to be a likely route of exposure to this product. If this material is swallowed, it may cause nausea, diarrhea, and vomiting and symptoms of central nervous system depression, such as described under "Inhalation". A danger of aspiration into the lungs exists after ingestion and can cause damage to the tissues of the lungs, resulting in chemical pneumonia and edema (accumulation of fluid in the lungs). Ingestion of large quantities of this product may be fatal.

INJECTION: Though not anticipated to be a likely route of occupational exposure, injection of this material (via puncture or laceration by a contaminated object) may cause local reddening, tissue swelling, and discomfort in addition to the wound.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in **Lay Terms**.

ACUTE: This material may irritate the eyes, skin, and mucous membranes. Inhalation of high concentrations of this product's vapors may cause dizziness, headaches, and nausea and in very high concentrations, may cause death.

CHRONIC: Prolonged or repeated skin contact may cause dermatitis (inflammation of the skin, resulting in redness and dryness).

TARGET ORGANS: **Acute:** Skin, eyes, central nervous system. **Chronic:** Skin, liver, kidneys, neurological system, central nervous system.

TOXICITY DATA: The specific toxicology data available for the components of this product present in greater than 1 percent concentration are presented below:

ORGANOSILANE:

Open Irritation Test (Skin-Rabbit) 500 mg: Mild
Standard Draize Test (Eye-Rabbit) 15 mg: Severe
LD₅₀ (Oral-Rat) 7460 µL/kg

LD₅₀ (Intravenous-Mouse) 180 mg/kg
LDLo (Skin-Rabbit) 16 mL/kg

HEPTANE:
LC₅₀ (Inhalation – Rat) 103000 mg/m³

LD₅₀ (Oral – Rat) >5000 mg/kg
LD₅₀ (Dermal – Rabbit) >2000 mg/kg

CARCINOGENIC POTENTIAL OF INGREDIENTS: The components of this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, and CAL/OSHA, and therefore are neither considered to be nor suspected to be cancer-causing agents by these agencies.

IRRITANCY OF PRODUCT: This product may be mildly irritating to contaminated, skin, and moderately to severely irritating to the eyes and mucous membranes.

SENSITIZATION TO THE PRODUCT: The Organosilane component of this product is classified as a skin sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: The components of this product are not reported to produce mutagenic effects in humans.

Embryotoxicity: The components of this product are not reported to produce embryotoxic effects in humans.

Teratogenicity: The components of this product are not reported to cause teratogenic effects in humans.

Reproductive Toxicity: The components of this product are not reported to cause reproductive effects in humans.

SYNERGISTIC PRODUCTS: None currently known.

BIOLOGICAL EXPOSURES INDICES (BEIs): Currently, there are no Biological Exposure Indices (BEIs) for any component of this product.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

MOBILITY: This product has not been tested for mobility in soil.

PERSISTENCE AND BIODEGRADABILITY: This product has not been tested for persistence or biodegradability. The Heptane component is considered readily biodegradable.

BIO-ACCUMULATION POTENTIAL: This product has not been tested for bio-accumulation potential.

ECOTOXICITY: This product is not anticipated to have significant, adverse effects on terrestrial plants and animals. The following aquatic toxicity data are available for some components of this product:

HEPTANE:

LL50 (*Oncorhynchus mykiss*) 1.284 mg/L (96hr)
LC50 (*Tilapia mosambica*) 375mg/L (96hr)
LC50 (*Carassius auratus* – goldfish) 4mg/L (24hr)

EC50 (*Daphnia magna* – water flea) 1.5mg/L (48hr)
EC50 (*Mysidopsis bahia* – mysid shrimp) 0.mg/L (96hr)
EL50 (*Pseudokirchneriella subcapitata* – green algae)
4.338mg/L (72hr)

ErC50 (*Pseudokirchneriella subcapitata* – green algae)
100mg/L (72 hr)

ENVIRONMENTAL EXPOSURE CONTROLS: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste per regulations of the area in which the waste is generated and/or disposed of. Waste disposal must be in accordance with appropriate Federal, State, Provincial, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Shipment of wastes must be done with appropriately permitted and registered transporters.

13. DISPOSAL CONSIDERATIONS, continued

DISPOSAL CONTAINERS: Waste materials must be placed in and shipped in impermeable containers (such as poly or metal waste pails or drums). Permeable cardboard containers are not appropriate and should not be used. Ensure that any required marking or labeling of the containers be done to all applicable regulations.

PRECAUTIONS TO BE FOLLOWED DURING WASTE HANDLING: Wear proper protective equipment when handling waste materials.

EPA WASTE NUMBER: D001, Characteristic-Ignitability

14. TRANSPORTATION INFORMATION

THIS PRODUCT IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Paint related material

HAZARD CLASS NUMBER and DESCRIPTION: 3 (Flammable)

UN IDENTIFICATION NUMBER: UN 1263

DOT LABEL(S) REQUIRED: Class 3 (Flammable)

PACKAGING GROUP: II

NORTH AMERICAN RESPONSE GUIDEBOOK NUMBER (2004): 128

MARINE POLLUTANT: The components of this product are not listed as a marine pollutant as per D.O.T. (49 CFR 172.101, Appendix B).

TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This product is classified as Dangerous Goods, per regulations of Transport Canada. The use of the above U.S. DOT information from the U.S. 49 CFR regulations is allowed for shipments that originate in the U.S. For shipments via ground vehicle or rail that originate in Canada, the following information is applicable.

PROPER SHIPPING NAME: Paint related material

HAZARD CLASS NUMBER and DESCRIPTION: 3 (Flammable)

UN IDENTIFICATION NUMBER: UN 1263

PACKING GROUP: II

HAZARD LABEL(S) REQUIRED: Class 3 (Flammable)

SPECIAL PROVISIONS: 59

EXPLOSIVE LIMIT & LIMITED QUANTITY INDEX: 5

ERAP INDEX: None

PASSENGER CARRYING SHIP INDEX: None

PASSENGER CARRYING ROAD OR RAIL VEHICLE INDEX: 5

MARINE POLLUTANT: Not applicable.

INTERNATIONAL AIR TRANSPORT ASSOCIATION DESIGNATION: This product is classified as dangerous goods, per rules of IATA.

UN IDENTIFICATION NUMBER: UN 1263

PROPER SHIPPING NAME: Paint related material

HAZARD CLASS NUMBER and DESCRIPTION: 3 (Flammable)

PACKING GROUP: II

HAZARD LABEL(S) REQUIRED: Class 3 (Flammable)

PASSENGER and CARGO AIRCRAFT PACKING INSTRUCTION: 353

PASSENGER and CARGO AIRCRAFT MAXIMUM NET QUANTITY PER PKG: 5 L

PASSENGER and CARGO AIRCRAFT LIMITED QUANTITY PACKING INSTRUCTION: Y341

PASSENGER and CARGO AIRCRAFT LIMITED QUANTITY MAXIMUM NET QUANTITY PER PKG: 1 L

CARGO AIRCRAFT ONLY PACKING INSTRUCTION: 364

CARGO AIRCRAFT ONLY MAXIMUM NET QUANTITY PER PKG: 60 L

SPECIAL PROVISIONS: A72

ERG CODE: 3L

INTERNATIONAL MARITIME ORGANIZATION (IMO): This product is classified as dangerous goods, per rules of the IMO, as follows:

PROPER SHIPPING NAME: Paint related material

HAZARD CLASS NUMBER and DESCRIPTION: 3 (Flammable)

UN IDENTIFICATION NUMBER: UN 1263

PACKING GROUP: II

HAZARD LABEL(S) REQUIRED: Class 3 (Flammable)

SPECIAL PROVISIONS: 163, 944

LIMITED QUANTITIES: 5 L

PACKING INSTRUCTIONS: P001

PROVISIONS: PP1

IBC INSTRUCTIONS: IBC02

IBC PROVISIONS: None

EmS: F-E, S-E

STOWAGE CATEGORY: Category B

MARINE POLLUTANT: The components of this product are not designated by the IMO to be a Marine Pollutant.

15. REGULATORY INFORMATION

U.S. STATE AND FEDERAL REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: No component of this product is subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Not applicable.

U.S. TSCA INVENTORY STATUS: The components of this product, listed by CAS # are listed on the TSCA Inventory.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

ADDITIONAL CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY: The components of this product listed by CAS # are listed on the DSL Inventory.

CANADIAN WHMIS IDL DISCLOSURE STATUS: Not applicable.

OTHER CANADIAN REGULATIONS: Not applicable.

CANADIAN ENVIRONMENTAL PROTECTION AGENCY (CEPA) PRIORITY SUBSTANCES LISTS: The components of this product are not on the Priority Substances Lists.

CANADIAN WHMIS CLASSIFICATION AND SYMBOLS: **Class B2:** Flammable Liquid

Class D2A: Poisonous and Infectious Material, Other effects - central nervous system depression.



16. OTHER INFORMATION

U.S. ANSI STANDARD LABELING (Z129.1): **DANGER!** HIGHLY FLAMMABLE LIQUID. FLASH POINT -4°C (24.8°F). HARMFUL IF INHALED OR INGESTED. CAN CAUSE ADVERSE EFFECTS ON THE CENTRAL NERVOUS SYSTEM. CAUSES SKIN, RESPIRATORY SYSTEM AND EYE IRRITATION. ASPIRATION HAZARD – INGESTION CAN CAUSE LIFE-THREATENING LUNG DAMAGE. PROLONGED EXPOSURE CAN CAUSE ADVERSE EFFECTS ON LIVER, KIDNEYS AND NEUROLOGICAL SYSTEMS. Keep away from heat, spark or flame. Do not taste or swallow. Do not get on skin or in eyes. Avoid breathing vapors or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Wear gloves, goggles, respiratory protection and eye protection, as appropriate. FIRST-AID: In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. If inhaled, remove to fresh air. If ingested, do not induce vomiting and get medical attention. Get medical attention if any adverse reaction occurs. IN CASE OF FIRE: Use water fog (for cooling of containers), dry chemical, CO₂, or "alcohol" foam. IN CASE OF SPILL: Absorb spill with inert material. Replace residue in suitable container. Consult Safety Data Sheet for additional information.

PREPARED BY:

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The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Shat-R-Proof assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Shat-R-Proof assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.