Material Safety Data Sheet

Rim Release®

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Rim Release®
Part number TNDS8153, TNDS8253

Product Family Mixture
Manufacturer Shrader Canada Limited
830 Progress Court
Oakville, ON L6L 6K1
+1.905.847.0222
www.shradercanada.com
Emergency Contact Information CANUTEC, +1.613.996.6666, Operation hours: 24/7
Use Rim release

2. HAZARDS IDENTIFICATION

Potential Health Effects

Route of Exposure Skin contact;
Eye contact;
Ingestion.
Inhalation At high concentrations: can irritate the nose and throat.
Skin Contact May cause moderate to severe irritation.
Eye Contact May cause mild irritation.
Ingestion If large amounts are ingested: can irritate the mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration %	Other Identifiers
Xylene (mixed isomers)	1330-20-7	10-30	
Distillates (petroleum), hydrotreated light	64742-47-8	10-30	
Stoddard solvent	8052-41-3	10-30	
Lubricating oils (petroleum), hydrotreated spent	64742-58-1	7-13	
Ethylbenzene	100-41-4	5-10	
n-Nonane	111-84-2	1-5	
Naphthalene	91-20-3	0.1-1.0	
1,2,4-Trimethylbenzene	95-63-6	0.5-1.5	

4. FIRST AID MEASURES

First Aid Procedures

Inhalation	Move victim to fresh air. Call a Poison Centre or doctor if the victim feels unwell.
Skin Contact	Quickly take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes. Call a Poison Centre or doctor if the victim feels unwell.
Eye Contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. If a contact lens is present, DO NOT delay flushing or attempt to remove the lens. If irritation or pain persists, see a doctor.
Ingestion	NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. DO NOT INDUCE VOMITING. Have victim rinse mouth with water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Carbon dioxide, dry chemical powder or appropriate foam.
Unsuitable Extinguishing Media	DO NOT use water or water-based extinguishing agents.
Specific Hazards Arising from the Chemical	Liquid can float on water and may travel to distant locations and/or spread fire. Gas or vapour may travel a considerable distance to a source of ignition and flash back to a leak or open container. Very toxic carbon monoxide, carbon dioxide. and other unidentified organic compounds.
Protective Equipment and Precautions for Firefighters	Fight fire from a safe distance or a protected location.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all ignition sources. Use grounded, explosion-proof equipment. Remove or isolate incompatible materials as well as other hazardous materials. Vapour or gas may accumulate in hazardous amounts in low-lying areas especially inside confined spaces, if ventilation is not sufficient.
Environmental Precautions	Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.
Methods for Containment and Clean-up	Stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

7. HANDLING AND STORAGE

Handling	Do not puncture or incinerate container even when empty. Do not weld, cut or perform hot work on empty container until all traces of product have been removed. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Only use where there is adequate ventilation.
Storage	Store in an area that is: cool, well-ventilated, out of direct sunlight and away from heat and ignition sources. Empty containers may contain hazardous residue. Store separately. Keep closed. Follow all precautions given on this MSDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

	ACGIH® TLV®		OSHA PEL			
Chemical Name	**TWA**	**STEL [C]**	**TWA**	**Ceiling**		
Xylene (mixed isomers)	100 ppm A4	150 ppm A4	435 mg/m3	Not established		
Distillates (petroleum), hydrotreated light	200 mg/m3 A3	Not established	Not established	Not established		
Stoddard solvent	100 ppm	Not established	Not established	Not established		
Ethylbenzene	20 ppm A3	Not established	100 ppm	Not established		
n-Nonane	200 ppm	Not established	Not established	Not established		
Naphthalene	10 ppm	15 ppm	10 ppm	Not established		
1,2,4-Trimethylbenzene	25 ppm	Not established	Not established	Not established		

Engineering Controls Sufficient mechanical ventilation to maintain exposures below the TLV. Under normal conditions of use, general ventilation should be satisfactory. Local ventilation is recommended if the product is misted or used in a confined space or if the TLV is exceeded. Make up air should always be supplied to balance air exhausted.

Personal Protective Equipment (PPE)

Eye/Face Protection Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection Avoid repeated or prolonged skin contact.
Suitable materials are: neoprene rubber, nitrile rubber.

Respiratory Protection Not normally required if product is used as directed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear colourless liquid.
Odour	Petroleum
Boiling Point	Not available
Relative Density (water = 1)	0.822
Solubility in Water	Negligible
pH	Not applicable
Partition Coefficient, n-Octanol/Water	Not available
Viscosity-Kinematic	< 14 centistokes at 40°C
Vapour Pressure	Not available
Vapour Density (air = 1)	> 1
Evaporation Rate	Not available
Flash Point	30 ºC
Lower Flammable/Explosive Limit	Not available
Upper Flammable/Explosive Limit	Not available
Auto-ignition Temperature	Not available

VOC %	95
Flame projection	Not applicable
NFPA Classification	Flammable liquid, Class IC

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Conditions to Avoid	Open flames, sparks, static discharge, heat and other ignition sources. High temperatures.
Incompatible Materials	Strong oxidizing agents (e.g. perchloric acid).
Hazardous Decomposition Products	Very toxic carbon monoxide, carbon dioxide. and other unidentified organic compounds.

11. TOXICOLOGICAL INFORMATION

General Comments

Information presented below is for the entire product, unless otherwise specified.

LC50/LD50 Values

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Xylene (mixed isomers)	6350 ppm (male rat) (4-hour exposure)	3523 mg/kg (rat)	> 1700 mg/kg (rabbit)
Stoddard solvent	> 5500 mg/m3 (rat) (4-hour exposure)	> 5000 mg/kg (rat)	> 3000 mg/kg (rabbit)
Ethylbenzene	~ 4000 ppm (rat) (4-hour exposure)	3500 mg/kg (rat)	15380 mg/kg (rabbit)
n-Nonane	3200 ppm (rat) (4-hour exposure)	> 15000 mg/kg (rat)	Not available
Naphthalene	141 ppm (rat) (4-hour exposure)	490 mg/kg (rat)	> 20000 mg/kg (rabbit)
1,2,4-Trimethylbenzene	18000 mg/m3 (rat) (4-hour exposure)	5000 mg/kg (rat)	Not available

Skin Irritation/Corrosion

There is limited evidence of moderate or severe irritation.

Eye Irritation/Corrosion

There is limited evidence of mild irritation.

Effects of Short-Term (Acute) Exposure

Inhalation

At high concentrations: may cause nose and throat irritation.

Skin Absorption

No information was located.

Ingestion

If large amounts are ingested: may cause a laxative effect.

Effects of Long-Term (Chronic) Exposure

No information was located.

Respiratory and/or Skin Sensitization

Not a respiratory sensitizer. Not a skin sensitizer.

Carcinogenicity

Chemical Name	ACGIH®	IARC	NTP	OSHA

Xylene (mixed isomers)	A4	Group 3	Not Listed	Not Listed
Distillates (petroleum), hydrotreated light	A3	Group 3	Not Listed	Not Listed
Ethylbenzene	A3	Group 2B	Not Listed	Not Listed
Naphthalene	A4	Group 2B	Reasonably anticipated	Not Listed

(Ethylbenzene) IARC: Group 2B – Possibly carcinogenic to humans.
(Naphthalene) IARC: Group 2B – Possibly carcinogenic to humans.

Key to Abbreviations

IARC = International Agency for Research on Cancer. Group 2B = Possibly carcinogenic to humans. Group 3 = Not classifiable as to its carcinogenicity to humans.
ACGIH® = American Conference of Governmental Industrial Hygienists. A3 = Animal carcinogen. A4 = Not classifiable as a human carcinogen.

Teratogenicity / Embryotoxicity

(Xylene (mixed isomers)) may cause effects on the unborn child based on limited evidence.

No information was located for: Reproductive Toxicity, Mutagenicity, Toxicologically Synergistic Materials

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life.

Persistence and Degradability No information was located.

13. DISPOSAL CONSIDERATIONS

Empty containers retain product residue. Follow label warnings even if container appears to be empty. The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container. Dispose of in accordance with municipal, provincial/state or federal regulations.

14. TRANSPORT INFORMATION

Shipping Information

Regulation	UN No.	Shipping Name	Class	Packing Group
Canadian TDG	UN1993	Flammable liquid, n.o.s. (Xylene)	3	III
IMDG	UN1993	Flammable liquid, n.o.s. (Xylene)	3	III
ICAO/IATA	UN1993	Flammable liquid, n.o.s. (Xylene)	3	III

Other Transport Information

Special Shipping Information Not applicable

Emergency Response Guide No. 128 EmS F-E, S-E

Other Information Product may ship as LTD QTY if TDG, ICAO/IATA or IMDG Limited Quantity provisions are met. ICAO/IATA PI Y344/355/366

15. REGULATORY INFORMATION

Canada

WHMIS Classification


Class B2


Class D2A; D2B

B2 - Flammable Liquid; D2A - Very Toxic; D2B - Toxic

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

16. OTHER INFORMATION

NFPA Rating	**Health - 2 Flammability - 1 Instability - 0**
MSDS Prepared By	Regulatory Compliance
Phone No.	800.201.9486
Date of Preparation	January 03, 2018
Key to Abbreviations	ACGIH® = American Conference of Governmental Hygienists CANUTEC = Canadian Transport Emergency Centre CAS = Chemical Abstract Service CCOHS = Canadian Centre for Occupational Health & Safety CNS = Central nervous system GESTIS = GESTIS Substance Database HSDB® = Hazardous Substances Data Bank IARC = International Agency for Research on Cancer ICAO = International Civil Aviation Organization IMDG = International Maritime Dangerous Goods Code LC = Lethal concentration LC = Lethal dose NFPA = National Fire Protection Association NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration PPM = Parts per million RTECS® = Registry of Toxic Effects of Chemical Substances STEL = Short term exposure limit TDG = Transportation of Dangerous Goods Regulations (Canada) TWA = Time weighted average
References	Material safety data sheet from manufacturer. CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Accelrys, Inc. Available from Canadian Centre for Occupational Health and Safety (CCOHS). ECHA - European Chemical Agency, Classification and Labelling Inventory GESTIS Substance Database OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.
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