SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015

Date Prepared : 02/22/2017
SDS No : CUS Urethane Auto Glass Adhesive-Sealant_ENG
Date Revised : 06/06/2017
Revision No : 1

CUS URETHANE Auto Glass Adhesive / Sealant

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CUS URETHANE Auto Glass Adhesive / Sealant
Product Description: Black adhesive / sealant, automotive use only, 310 ml / 10.5 fl oz US, Average Drive Away Time: 6 hours
General Use: Polyurethane adhesive / sealant
Product Stock/Code: CUS / 9006
Chemical Family: Polyurethane Prepolymer / Polyuréthane prépolymère
Molecular Formula: Mixture / Mélange

Manufacturer / Supplier
Dominion Sure Seal Ltd.
6175 Danville Road, Mississauga
Ontario, Canada L5T 2H7
Fax: 905-670-5174
www.dominionsureseal.com
Customer Service: 905-670-5411

Emergency Telephone Numbers (24 hour)
CANUTEC : (613) 996-6666
CHEMTREC : (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

The classification and label elements stated below were prepared in accordance with the USA OSHA Hazard Communication Standard (29 CFR 1910.1200; Hazcom 2012) and the Canadian WHMIS regulations (Hazardous Products Regulations; WHMIS 2015). This information may be different from the actual product label information for labels that are regulated by other agencies.

Health hazards:

Eye Irritation, Category 2
Skin Irritation, Category 2
Respiratory Sensitization, Category 1
Skin Sensitization, Category 1
Target Organ Toxicity (Repeated exposure), Category 2
Reproductive Toxicity, Category 2
Carcinogenicity, Category 2

Physical hazards:

Flammable Liquids, Category 3

Label elements

Hazardous components for labelling:
Carbon Black, Toluene and 4,4'-Diphenylmethane diisocyanate

The following supplementary information may be included on the product label if this product is sold to the general public:

Contains isocyanates. May produce an allergic reaction.
Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter is used.


Flame


Health hazard

Signal Word: DANGER

Hazard statement(s)

H226: Flammable liquid and vapour.
H319: Causes serious eye irritation.
H315: Causes skin irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317: May cause an allergic skin reaction.
H373: May cause damage to central nervous system through prolonged or repeated exposure.
H361: Suspected of damaging the unborn child.
H351: Suspected of causing cancer.

Precautionary statement(s)

Prevention:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243: Take action to prevent static discharges.
P264: Wash hands thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P260: Do not breathe vapours.
P284: In case of inadequate ventilation wear respiratory protection.
P280: Wear protective gloves, protective clothing and eye protection.

Response:

P308+P313: IF exposed or concerned: Get medical advice/ attention.
P314: Get medical advice/attention if you feel unwell.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P370+P378: In case of fire: Use dry chemical or foam to extinguish.

Storage:

P403+P233+P235: Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with applicable local, regional and/or national regulations.

Hazards Not Otherwise Classified: No data available.

Emergency Overview

Immediate concerns: Flammable liquid and vapor. Irritating to eyes and skin. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause sensitization by skin contact. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash. Prolonged or repeated exposure may cause nervous system damage. Possible risk of harm to the unborn child. Suspected of causing cancer.

Comments: See sections 9 and 10 for more detailed information on physicochemical effects.
See section 11 for more detailed information on health effects.
See sections 12 for more detailed information on environmental effects.

The actual container label may not include the above label elements. The labeling shown above applies to products used solely for industrial / professional use.

Consumer products should be labeled in accordance with the Canadian Consumer Chemicals and Containers Regulations and US Consumer Product Safety Commission regulations. Consumer product labeling takes precedence over Canadian WHMIS 2015 and OSHA Hazcom 2012 Hazard Communication labeling.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS number
Carbon Black	20 - 25	1333-86-4
Toluene	3 - 5	108-88-3
Petroleum distillates, hydrotreated light	0.5 - 1.5	64742-47-8
4,4'-Diphenylmethane diisocyanate	≤ 1	101-68-8

Comments: There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the product and hence require reporting in this section.

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing and wash before reuse.

Ingestion: Do not induce vomiting. Rinse mouth with water. Give 1 to 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

Inhalation: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain medical attention if breathing difficulty persists.

Signs and Symptoms of Overexposure

Eye Contact: Product liquid, aerosols or vapours are irritating. Can cause tearing, reddening and swelling. May cause temporary corneal injury.

Skin Contact: Contact causes skin irritation. Cured material is difficult to remove. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash.

Ingestion: Substance may be harmful if swallowed. May cause irritation. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

Inhalation: High vapor concentrations may be harmful if inhaled. Vapour/mists at concentrations above the exposure limits can irritate (burning sensation) the mucous membranes in the respiratory tract. This can cause a runny nose, sore throat, coughing, chest discomfort, difficult breathing and reduced pulmonary functioning.

Persons with pre-existing, nonspecific bronchial hyperreactivity can respond to concentrations below the TLV with similar symptoms as well as asthma attack. Exposure well above the TLV or PEL may lead to bronchitis, bronchial spasm and pulmonary edema. Chemical or hypersensitive pneumonitis, with flu-like symptoms has also been reported. These symptoms can be delayed up to several hours after exposure. Effects are usually reversible.

Notes to Physician: Respiratory: This compound is a known pulmonary sensitizer. Treatment is essentially symptomatic. An individual having a skin or pulmonary sensitization reaction to this material should be removed from exposure to any isocyanate. Skin: This compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns.

Additional Information: No data available.

5. FIRE FIGHTING MEASURES

Flammable Properties: Will burn if involved in a fire.

Extinguishing Media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Use an extinguishing agent suitable for the surrounding fire.

Hazardous Combustion Products: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Carbon dioxide, carbon monoxide. Nitrous gases, fumes/smoke, isocyanate, vapour.

Fire Fighting Procedures: Containers can build up pressure if exposed to heat (fire).

Fire Fighting Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Sensitivity to Static Discharge: Product is sensitive to static discharge.

Sensitivity to Mechanical Impact: Product is not sensitive to mechanical impact.

6. ACCIDENTAL RELEASE MEASURES

Small Spill: Cover spill area with suitable absorbent material (e.g., sand, earth, sawdust, vermiculite, Oil-Dri, Kitty Litter, etc.). Saturate absorbent material with neutralizing solution. Add an additional layer of absorbent material. Use shovel to move absorbent material around to ensure that all spilled material comes in contact with the neutralizing solution. Shovel all absorbed material into an appropriate salvage drum. Allow to stand (covered loosely) for 48 to 72 hours, to allow any gases to escape. Decontaminate spill area with neutralizing solution. Area can then be washed with soap and water. Recommended portion is ten parts neutralizing solution to one part spilled material. Suggested neutralization solution:. 90% water + 5% concentrated ammonia + 5% detergent (dish soap).

Environmental Precautions

Water Spill: Do not discharge into drains/surface waters/groundwater.

Land Spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Special Protective Equipment: Clean up spills immediately, observing precautions in Protective Equipment section 8.

7. HANDLING AND STORAGE

General Procedures: Ensure thorough ventilation of stores and work areas. Individuals with lung or breathing problems or prior allergic reactions to isocyanates must not be exposed to vapour or spray mist. Warning properties (irritation of the eyes, nose and throat or odour) are not adequate to prevent chronic overexposure from inhalation. Handle in accordance with good industrial hygiene and safety practices.

Handling: Use only in a well ventilated area. Wear recommended personal protective equipment. Keep container closed when not in use. Avoid breathing vapours or mist. Avoid contact with eyes, skin, and clothing. After handling, always wash hands thoroughly with soap and water.

Storage: Store away from heat, sparks, open flames, strong oxidizing agents and direct sunlight. Protect from physical damage. Protect against moisture. Keep container tightly closed and in a well-ventilated place. Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

OSHA / WHMIS 2015 HAZARDOUS COMPONENTS				
	Occupational Exposure Limits			
Chemical Name	**Type**		**ppm**	**mg/m³**
Carbon Black	**OSHA PEL**	**TWA**	--	3.5
	ACGIH TLV	**TWA**	-- [1]	3.5 [1]
	NIOSH REL	**TWA**	--	3.5
Toluene	**OSHA PEL**	**TWA**	200	--
		STEL	300	--
	ACGIH TLV	**TWA**	20	75
	NIOSH REL	**TWA**	100	375
		STEL	150	560
Petroleum distillates, hydrotreated light	**Germany (DFG)**	**TWA**	20	140
		STEL	40	280
4,4'-Diphenylmethane diisocyanate	**OSHA PEL**	**STEL**	0.02	0.2
	ACGIH TLV	**TWA**	0.005	0.051
	NIOSH REL	**TWA**	0.005	0.05
		STEL	0.02 [2]	0.2 [2]

Footnotes:
1. Inhalable particulate matter.
2. Ceiling limit value (10 min).

Engineering Controls: Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Personal Protective Equipment

Eyes and Face: Wear safety glasses with side shields (or goggles). Contact lenses should not be worn when working with this product. Eye wash fountains should be readily available to areas of use and handling.

Skin Contact: Chemical resistant gloves: butyl rubber, nitrile rubber, neoprene, PVC.

Respiratory: If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Protective Clothing: Wear protective clothing as necessary to prevent contact. Wear long sleeves and trousers to prevent dermal exposure.

Work Hygienic Practices: Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse. Eye wash fountains and safety showers must be easily assessible. Do not breathe vapour/spray. Exposure levels must be monitored by accepted monitoring techniques to ensure that the TLV is not exceeded. Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases or recurrant skin eczema or sensitization should be excluded from working with isocyanates. Once a person is diagnosed as sensitized to an isocyanate, no further exposure can be permitted. Employee education and training are important.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid

Odor : Mild

Odor Threshold : Not Available

Appearance : Viscous thixotropic paste

Color : Black

pH : No data available.

% Volatiles : 4.0 - 5.0% w/w

Flash Point and Method : > 50°C (122°F) Closed Cup

Flammable Limits : 1.1 to 7.1

Notes: Based on data for toluene.

Autoignition Temperature : > 200°C (392°F)

Vapor Pressure : No data available.

Vapor Density : > 1

Boiling Point : 110°C, Toluene [lowest value]

Melting Point : No data available.

Solubility in Water : Practically insoluble

Evaporation Rate (n-butyl acetate = 1) : > 1

Density : 1.20±0.05g/ml at 20°C

Viscosity : > 200000 cps at 20°C

VOC Content : < 65 g/l (< 5.0% w/w)

Oxidizing Properties : None

Comments:

VOC Compliance Statement

VOC Content:	Less Exempts: 65 g/l (0.54 lb/gal) Total Material: 65 g/l (0.54 lb/gal)
Density:	1.15 to 1.25 g/ml
Total Volatiles:	4 to 5 % w/w
Exempt Content:	0 % w/w; 0 % v/v

VOC Regulation: SCAQMD Rule 1168 -Adhesives & Sealants - California
Coating Category: Sealants and Caulks, All Other Sealants

The product VOC content meets the 420 g/l limit for Sealants and Caulks, All Other Sealants. The product also meets the small container exemption in the various Adhesives and Sealants district rules - packaged in ≤ 475 ml (16 fl oz) cartridges.

VOC Regulation: CARB, OTC – Consumer Product Regulations
Coating Category: Sealant & Caulking Compounds

This product is formulated for automotive use only and is not regulated under the CARB Consumer Products Regulations. It does not meet the CARB definition of Sealant & Caulking compounds which excludes "exclusive automotive use" sealants from the scope of the definition.

10. STABILITY AND REACTIVITY

Reactive Hazard : Yes

Hazardous Polymerization: Contact with moisture or other materials that react with isocyanates, or temperatures above 177 C, may cause polymerization.

Stability: Stable under normal conditions of use and storage.

Conditions to Avoid: Avoid moisture.

Possibility of Hazardous Reactions: Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols, acids, alkalies and amines. Risk of exothermic reaction. Risk of violent reaction. Risk of polymerization.

Hazardous Decomposition Products: By fire and high heat: Carbon monoxide, Carbon dioxide, Oxides of nitrogen, Hydrogen cyanide, Isocyanates, Isocyanic acid, other undetermined compounds.

Incompatible Materials: Water, amines, strong bases, alcohols. Copper alloys.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	Oral LD_{50} mg/kg(rat)	Dermal LD_{50} mg/kg(rabbit)	Inhalation LC_{50} mg/l
Carbon Black	> 15,400	> 3000	Not Applicable
Toluene	7000 6400 5500	12,270	49.0(rat;4h) 30.0(mouse;2h) 19.9(mouse;7h)
Petroleum distillates, hydrotreated light	>15,000 >5000	> 2000	>5.2(rat;4h) (no deaths)
4,4'-Diphenylmethane diisocyanate	> 10,000	> 10,000	0.369(rat;4h - mist)

Acute Toxicity - Dermal LD_{50}: Based on available ingredient data, the classification criteria for Acute Dermal Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute Toxicity - Oral LD_{50}: Based on available ingredient data, the classification criteria for Acute Oral Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute Toxicity - Inhalation LC_{50}: Based on available ingredient data, the classification criteria for Acute Toxicity - inhalation are not met for this mixture. The calculated ATE is >20 mg/l/4h (vapours). This product is

not sprayed during application; no spray mist can be generated so this route of exposure does not apply.

Notes: < 5% of the mixture consists of an ingredient or ingredients of unknown acute toxicity.
No additional toxicology information is available for this product itself. (See Component Toxicity Information).
Primary Routes of Entry:
Eye contact. Inhalation. Skin contact. Ingestion.

Skin Irritation / Corrosion: Contains: 4,4'-Diphenylmethane diisocyanate and Toluene. Causes skin irritation. The mixture is classified as: Skin Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as skin irritant, category 2). Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash.

Eye Irritation / Serious Eye Damage: Contains: 4,4'-Diphenylmethane diisocyanate. Contact causes serious eye irritation. The mixture is classified as: Eye Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as eye irritant, category 2). Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Respiratory / Skin Sensitizer: Contains: 4,4'-Diphenylmethane diisocyanate. The mixture is classified as: Skin Sensitizer, category 1 based on ingredient data (≥ 0.1% ingredients classified as a skin sensitizer, category 1 or sub-category 1A or ≥ 1.0% ingredients classified as a skin sensitizer, sub-category 1B). The mixture is classified as: Respiratory Sensitizer, category 1 based on ingredient data (≥ 0.1% ingredients classified as a respiratory sensitizer, category 1 or sub-category 1A or ≥ 1.0% ingredients classified as a respiratory sensitizer, sub-category 1B).
May cause sensitization by inhalation and skin contact. As a result of previous repeated overexposure or a single large dose, certain individuals develop sensitization which will cause them to react to a later exposure to product at levels well below the TLV. Symptoms including chest tightness, wheezing, cough, shortness of breath or asthma attack, could be immediate or delayed. There are reports that once sensitized, an individual can experience these symptoms upon exposure to dust, cold air or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Sensitization can be permanent. Prolonged contact with this product can cause reddening, swelling, rash scaling or blistering. In those who have developed skin sensitization, these symptoms can develop as a result of contact with very small amount of the liquid material.

Germ Cell Mutagenicity: Based on available data, the classification criteria for Germ Cell Mutagenicity are not met for this mixture (< 0.1% ingredients classified as Germ Cell Mutagen, category 1A or 1B and < 1.0% ingredients classified as Germ Cell Mutagen, category 2).

Carcinogenicity

Chemical Name	NTP status	IARC status	OSHA status	Other
Carbon Black	--	2B	--	A3 (ACGIH)
Toluene	--	3	--	A4 (ACGIH)
Petroleum distillates, hydrotreated light	--	--	--	--
4,4'-Diphenylmethane diisocyanate	--	3	--	--

Notes: Contains: 4,4'-Diphenylmethane diisocyanate and Carbon Black. Carbon black is listed as Group 2B (possibly carcinogenic to humans). The European Commission (2012) has classified MDIs (CAS No. 101-68-8, 26447-40-5 and 9016-87-9) as Category 2, suspected human carcinogens. The mixture is classified as: Carcinogenicity, category 2 based on ingredient data using the applicable cut-off/concentration limits (≥ 0.1% ingredients classified as a Carcinogen, category 2).

Reproductive Toxicity: The mixture is classified as: Reproductive Toxicity, category 2 based on ingredient data using the applicable cut-off/concentration limits (≥ 0.1% ingredients classified as Reproductive Toxicity, category 2). May cause adverse reproductive effects. Possible risk of harm to the unborn child (Toluene).

Specific Target Organ Toxicity - Single Exposure: Based on available data, the classification criteria for Specific Target Organ Toxicity - Single Exposure are not met for this mixture (< 1.0% ingredients classified as

Specific Target Organ Toxicity - Single Exposure, category 1 or 2 and < 20% summation of all ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 3).

Specific Target Organ Toxicity - Repeated Exposure: Contains: Toluene (This product contains < 1.0% of free 4,4'-Diphenylmethane diisocyanate monomer.). The mixture is classified as: Specific Target Organ Toxicity - Repeated Exposure, category 2, based on ingredient data using the applicable cut-off/concentration limits (≥ 1.0% ingredients classified as Specific Target Organ Toxicity - Repeated Exposure, category 2). Prolonged inhalation may be harmful. Chronic exposure to organic solvents such as Toluene have been associated with various neurotoxic effects including permanent brain and nervous system damage. Symptoms include: loss of memory, loss of intellectual ability, and loss of coordination.

Aspiration Hazard: Based on available data, the classification criteria for Aspiration Hazard are not met for this mixture (< 10% ingredients classified as an Aspiration Hazard, category 1 and/or mixture viscosity > 20.5 mm^2/s at 40 °C).

12. ECOLOGICAL INFORMATION

Environmental Data: No data available.

Ecotoxicological Information: No data available.

Bioaccumulation/Accumulation: No data available.

Distribution: No data available.

Aquatic Toxicity (Acute): No data available.

Chemical Fate Information: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Method: Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal. Do not discharge substance/product into sewer system.

Product Disposal: Empty containers retain product residue; observe all precautions for product. Decontaminate containers prior to disposal.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)

Proper Shipping Name : COMBUSTIBLE LIQUID, N.O.S.

Technical Name : Toluene and Petroleum distillates, hydrotreated light

Primary Hazard Class/Division: Comb liq

UN/NA Number : 1993

Packing Group : N/A

Other Shipping Information:
These Regulations do not apply to the handling, offering for transport or transporting of less than 450 L of UN1993, COMBUSTIBLE LIQUID, N.O.S., on a road vehicle or a railway vehicle as per DOT 173.120 (f)(2).

Vessel (IMO/IMDG)

Shipping Name : ADHESIVES

UN/NA Number : 1133

Primary Hazard Class/Division: 3

Packing Group : III

Note: Transport in accordance with 2.3.2.5 of the IMDG Code.

Canadian Transportation of Dangerous Goods Regulations

Shipping Name : ADHESIVES

UN/NA Number : 1133

Primary Hazard Class/Division: 3

Packing Group : III

TDG Note:
Not regulated as per TDG Section 1.33.
(Class 3, Packing Group III, Flash Point > 37.8 °C, packaging < 450 L)

15. REGULATORY INFORMATION

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health Hazards: Carcinogenicity, Eye Irritation, Reproductive Toxicity, Respiratory Sensitization, Skin Irritation, Skin Sensitization, Target Organ Toxicity (Repeated exposure)

311/312 Physical Hazards: Flammable Liquids

Fire Hazard : Yes
Sudden Release of Pressure : No
Reactive Hazard : No
Product Acute Toxicity : Yes
Product Chronic Toxicity : Yes

EPCRA Section 313 Toxic Chemicals

Chemical Name	Wt.%	CAS number
Toluene	3 - 5	108-88-3

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status:
This product contains no listed extremely hazardous substances that are subject to the reporting requirements of SARA Title III, Section 302.

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical Name	Wt.%	RQ
Toluene	3 - 5	1,000
4,4'-Diphenylmethane diisocyanate	≤ 1	5,000

TSCA (The Toxic Substances Control Act)

TSCA Status:
All components are included or are otherwise exempt from inclusion on this inventory.

CAA 112(b) - Hazardous Air Pollutants

Chemical Name	Wt.%	CAS number
Toluene	3 - 5	108-88-3
4,4'-Diphenylmethane diisocyanate	≤ 1	101-68-8

CAA 112(r) - List of Substances for Accidental Release Prevention:

This product contains no chemicals subject to CAA 112(r).

California Proposition 65

Chemical Name	Wt.%	Listed
Carbon Black	20 - 25	Cancer
Toluene	3 - 5	• Developmental Toxicity • Female Reproductive

OSHA Hazard Communication Standard (29 CFR 1910.1200):
OSHA Status: Hazardous Product (See Section 2 for details).
This product has been classified in accordance with the hazard criteria of the USA OSHA Hazard Communication Standard (29CFR 1910.1200) and the Safety Data Sheet contains all the information required by the OSHA Hazard Communication Standard (HazCom 2012).

CANADA

WHMIS Hazard Symbol and Classification

See Section 2 for details.

WHMIS Regulatory Status:
This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

WHMIS Classification:
WHMIS 2015 (Canada) Status: Hazardous Product (See Section 2 for details).

CEPA - National Pollutant Release Inventory (NPRI):

Name	CAS No.	NPRI Part No.
Toluene	108-88-3	1A, 5 (VOC)

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):
All components are included or are otherwise exempt from inclusion on this inventory.

Comments VOC Content -- See section 9.

16. OTHER INFORMATION

Reason for Issue: NEW

Approved By: Jim Gordon **Title:** R&D Chemist / Chemiste de R&D

Prepared By : Regulatory Compliance / Conformité réglementaire **Date Revised:** 06/06/2017

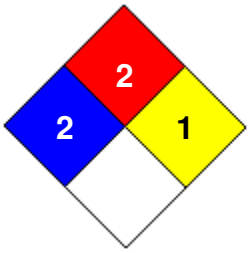
Information Contact: 905-670-5411

Revision Summary: This MSDS replaces the 02/23/2017 MSDS. Revised: **Section 15:** 311/312 Physical Hazards, 311/312 Health Hazards.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		1
PERSONAL PROTECTION		G

NFPA CODES



NFPA 30 / 30B Storage Classification: Combustible Liquid II

Manufacturer Supplemental Notes: None

Data Sources: Not Available

Additional SDS Information:
N/AV Not Available
N/AP Not Applicable
ND Not yet determined
ACGIH American Conference of Governmental Industrial Hygienists
CAA The Clean Air Act
CCCR The Consumer Chemicals and Containers Regulations
CEPA The Canadian Environmental Protection Act
CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
EPCRA The Emergency Planning and Community Right-To-Know Act
IARC International Agency for Research on Cancer
MSHA Mine Safety and Health Administration
NIOSH National Institute for Occupational Safety and Health
NTP National Toxicology Program
OSHA The Occupational Safety and Health Administration
SARA The Superfund Amendments and Reauthorization Act
WHMIS Workplace Hazardous Materials Information System

General Statements: None

Comments: None

Manufacturer Disclaimer: The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. No responsibility is assumed for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of this material.