







WHMIS (Pictograms)	WHMIS (Classification)	Protective Clothing
 	Class B-2: Flammable liquid Class D-2A: Material causing other toxic effects (Very toxic). Class D-2B: Material causing other toxic effects (Toxic).	   

## Section I. Chemical Product and Company Identification

<b>Product Name/ Trade Name</b>	S3310	<b>Code</b>	S3310
<b>Supplier</b>	Tri-Tex co inc. 1001, Boulevard Industriel St-Eustache, Qc., Canada J7R 6C3 Tel.: (450) 974-1001 Fax.: (450) 974-0162	<b>CAS#</b>	Not applicable.
<b>Synonym</b>	Not available.	<b>DSL</b>	All the ingredients are on the DSL list.
<b>Chemical Name</b>	Not applicable.	<b>In case of Emergency</b>	CALL CANUTEC: (613) 996-6666
<b>Chemical Family</b>	Adhesive solvent based.		
<b>Chemical Formula</b>	Not applicable.		
<b>Manufacturer</b>	Proprietary	<b>Material Uses</b>	Adhesive.

## Section II. Composition and Information on Ingredients

Name	CAS #	Exposure Limits			% by Weight
		TWA (ppm)	STEL (ppm)	CEIL (ppm)	
n-hexane	110-54-3	50			15-40
acetone	67-64-1	500	750		7-13
solvent naphtha (petroleum), light aliphatic	64742-89-8				10-30
toluene	108-88-3	50	150		1-5

<b>Toxicological Data on Ingredients</b>	n-hexane: ^{25,45,50,70} ORAL (LD50): Acute: 28710 mg/kg [Rat]. VAPOR (LC50): Acute: 48000 ppm 8 hour(s) [Rat] acetone: ^{25,45,50,70} ORAL (LD50): Acute: 5800 mg/kg [Rat]. 5340 mg/kg [Rabbit]. DERMAL (LD50): Acute: 20000 mg/kg [Rabbit]. solvent naphtha (petroleum), light aliphatic: ^{25,45,50,70} ORAL (LD50): Acute: 2000 mg/kg [Rat]. DERMAL (LD50): Acute: 2000 mg/kg [Rat]. toluene: ^{25,45,50,70} ORAL (LD50): Acute: 636 mg/kg [Rat]. DERMAL (LD50): Acute: 12210 mg/kg [Rabbit]
--	---

## Section III. Hazards Identification.

<b>Potential Acute Health Effects</b>	Very hazardous by the following route of exposure: of skin contact (irritant, permeator), of eye contact (irritant), of ingestion. Slightly hazardous by the following route of exposure: of skin contact (sensitizer), of inhalation (lung irritant). Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering and itching.
---------------------------------------	---

<b>Potential Chronic Health Effects</b>	<p>CARCINOGENIC EFFECTS: Classified A4 (Not classifiable for humans or animals.) by ACGIH [acetone]. Classified None. by NIOSH [toluene]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [toluene].</p> <p><b>MUTAGENIC EFFECTS:</b> Not available.</p> <p><b>TERATOGENIC EFFECTS:</b> Not available.</p> <p><b>DEVELOPMENTAL TOXICITY:</b> Not available.</p> <p>The substance is toxic to blood, kidneys, lungs, the nervous system, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea. Repeated or prolonged exposure to the substance can produce target organs damage.</p>
---	--

#### Section IV. First Aid Measures

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.
<b>Hazardous Skin Contact</b>	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Hazardous Inhalation</b>	Move the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Warning: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.
<b>Ingestion</b>	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately. Aspiration hazard if swallowed. Can enter lungs and cause damage.
<b>Hazardous Ingestion</b>	Not available.

#### Section V. Fire and Explosion Data

<b>The Product is:</b>	Flammable.
<b>Auto-Ignition Temperature</b>	Lowest known value: 224.85°C (436.7°F) (n-hexane).
<b>Flash Points</b>	Closed cup: -23°C (-9.4°F).
<b>Flammable Limits</b>	Greatest known range: Lower: 2.6% Upper: 12.8% (acetone)
<b>Products of Combustion</b>	Decomposition products may include the following materials: carbon oxides (CO, CO <sub>2</sub> ).
<b>Fire Hazards in Presence of Various Substances</b>	<p>Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.</p> <p>Highly flammable in the presence of the following materials or conditions: heat and combustible materials.</p> <p>Flammable in the presence of the following materials or conditions: oxidizing materials.</p> <p>Slightly flammable in the presence of the following materials or conditions: reducing materials.</p> <p>Non-flammable in the presence of the following materials or conditions: moisture.</p>
<b>Explosion Hazards in Presence of Various Substances</b>	Not available.

Continued on Next Page

<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray or fog. Never direct a water jet into the container in order to prevent any splashing of the product, which could cause the fire to spread. Cool containers with water jet in order to prevent pressure build-up, auto-ignition or explosion
---	--

<b>Special Remarks on Fire Hazards</b>	Vapor may travel considerable distance to source of ignition and flash back. (n-hexane)
--	---

<b>Special Remarks on Explosion Hazards</b>	Not available.
---	----------------

### Section VI. Accidental Release Measures

<b>Small Spill</b>	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.
--------------------	---

<b>Large Spill</b>	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not allow water to enter container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas. Dike if necessary. Call for assistance on disposal.
--------------------	--

### Section VII. Handling and Storage

<b>Precautions</b>	Keep locked up. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, organic materials.
--------------------	---

<b>Storage</b>	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
----------------	---

### Section VIII. Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
-----------------------------	---

<b>Personal Protection</b>	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
----------------------------	--

<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product.
---	--

<b>Exposure Limits</b>	Not available.
------------------------	----------------

### Section IX. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Liquid.	<b>Odor</b>	Pleasant.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH (1% soln/water)</b>	Not available.	<b>Color</b>	Amber.
<b>Boiling Point</b>	Not available.		
<b>Melting Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Specific Gravity</b>	0.794 (Water = 1)		
<b>Vapor Pressure</b>	Not available.		

**Continued on Next Page**

Vapor Density	Not available.
Volatility	Not available.
Odor Threshold	Not available.
Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	See solubility in the following materials: water, methanol, diethyl ether, n-octanol.
Solubility	Easily soluble in the following materials: methanol, diethyl ether. Soluble in the following materials: n-octanol. Insoluble in the following materials: cold water, hot water.

### Section X. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Highly reactive or incompatible with the following materials: oxidizing materials and organic materials. Reactive or incompatible with the following materials: reducing materials, acids and alkalis. Slightly reactive or incompatible with the following materials: metals.
Corrosivity	Not available.
Special Remarks on Reactivity	Incompatible with chlorine, fluorine and magnesium perchlorate. (n-hexane)
Special Remarks on Corrosivity	Not available.

### Section XI. Toxicological Information

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 636 mg/kg [Rat]. (toluene). Acute dermal toxicity (LD50): 2000 mg/kg [Rat]. (solvent naphtha (petroleum), light aliphatic) Acute toxicity of the vapor (LC50): 48000 ppm 8 hour(s) [Rat]. (n-hexane).
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified A4 (Not classifiable for humans or animals.) by ACGIH [acetone]. Classified None. by NIOSH [toluene]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [toluene]. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Not available. The substance is toxic to blood, kidneys, lungs, the nervous system, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea. Repeated or prolonged exposure to the substance can produce target organs damage.
Other Toxic Effects on Humans	Very hazardous by the following route of exposure: of skin contact (irritant, permeator), of eye contact (irritant), of ingestion. Slightly hazardous by the following route of exposure: of skin contact (sensitizer), of inhalation (lung irritant). Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering and itching.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Inhalation of vapors may cause dizziness, an irregular heartbeat, narcosis, nausea or asphyxiation. Animal: embryotoxic, foetotoxic, passes through the placental barrier. (toluene) Suspected to be a neurotoxin. (n-hexane)

Continued on Next Page

**Special Remarks on Other Toxic Effects on Humans** Exposure can cause lung irritation, chest pain and oedema which may be fatal. (n-hexane)

### Section XII. Ecological Information

**Ecotoxicity** Not available.

**BOD5 and COD** Not available.

**Products of Biodegradation** Decomposition products may include the following materials: carbon oxides (CO, CO<sub>2</sub>) and water.

**Toxicity of the Products of Biodegradation** The products of degradation are less toxic than the product itself.

**Special Remarks on the Products of Biodegradation** Not available.

### Section XIII. Disposal Considerations

**Waste Disposal** Recycle, if possible. Consult your local or regional authorities.

### Section XIV. Transport Information

**TDG Classification** 3

**PIN** Shipping name: ADHESIVES UN: 1133 PG: II

**Special Provisions for Transport** Not applicable.

**TDG (Pictograms)**



### Section XV. Other Regulatory Information and Pictograms

**Other Regulations** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

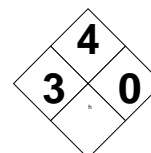
**Other Classifications**

<b>HCS (U.S.A.)</b>	Flammable liquid Target organ effects
<b>DSCL (EEC)</b>	Not available.

**Hazardous Material Information System (U.S.A.)**

Health Hazard	(3)
Fire Hazard	(4)
Reactivity	(0)
Personal Protection	h

**National Fire Protection Association (U.S.A.)** Health



Fire Hazard

Reactivity

Specific Hazard

**DOT (U.S.A) (Pictograms)**



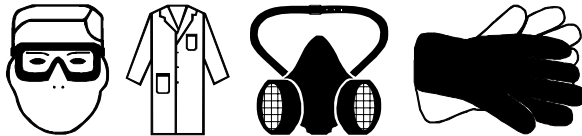
DSCL (Europe)  
(Pictograms)



ADR (Europe)  
(Pictograms)



Protective  
Equipment  
(Pictograms)



### Section XVI. Other Information

References - Manufacturer's Material Safety Data Sheet.

Other Special  
Considerations Not available.

Validated by Company on 2/7/2011.

Verified by Company.

Printed 2/24/2012.

Information  
Contact Regulatory Affairs.

#### Notice to Reader

*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.*