MATERIAL SAFETY DATA SHEET
716-008 / 716-016 / 716-032 / 717-01 / 718-05

Canutec 1-613-996-6666 (24 hours)

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product identification :	716-008 / 716-016 / 716-032 / 717-01 / 718-05
Product name :	All purpose solvent cleaner
Chemical family :	Mixture
Supplier / Manufacturer :	Auto-Chem Inc. 33 de Lyon Repentigny, QC, Canada J5Z 4Z3 Tel : 450-654-9292 Fax : 450-654-0633 www.autochem.com
Contact :	Jean Dagenais

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS	Percentage	Exposure limits
Stoddard solvent	8052-41-3	60 – 100	LD50 >5000 mg/kg, rat, oral LD50 >3000 mg/kg, rabbit, skin LC50 >5,5 mg/l/4 hrs, rat TLV TWA 100 ppm
Toluene	108-883	10 – 30	LD50 636 mg/kg, rat, oral LD50 14100 ul/kg, rabbit, dermal LC50 19 mg/kg, rat ♀ TLV TWA 50 ppm ACGIH TWA 100 ppm, OSHA STEL 150 ppm, OSHA IDLH 500ppm

3. HAZARDS IDENTIFICATION

Routes of entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects :

Eye contact :	Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of the eyes. May cause blurred vision.
Skin contact :	Can cause a skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of the skin, burns and other skin damages. Additional symptoms may include skin blistering.
Inhalation :	Breathing of vapour or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.
Ingestion :	Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Signs and symptoms of exposure to this material through breathing, swallowing, and /or passage of the material through the skin may include: redness of the face and neck, stomach or intestinal upset (nausea, vomiting, diarrhoea), irritation (nose, throat, airways), central nervous system excitation (giddiness, liveliness, light-headed feeling) followed by central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, effects on memory, respiratory depression (slowing of the breathing rate), shortness of breath, loss of coordination, confusion, irregular heartbeat, respiratory failure, coma.

Potential chronic health effects :

Repeated exposure : Chronic abuse of similar substances has been associated with cardiac arrhythmia and cardiac arrest. Repeated exposure can affect the central nervous system. Prolonged contact with the skin can cause dryness and defatting of the skin, irritation and dermatitis.

4. FIRST AID MEASURES

Eyes : Rinse immediately with water or a saline solution for 15 to 20 minutes, lifting upper and lower eyelids. Remove contact lenses. Obtain medical attention immediately.

Skin : In case of direct contact, rinse with running water 15 to 20 minutes. Remove contaminated clothing and wash with soap and water. Consult a physician if symptoms appear or irritation persists.

Inhalation : Remove person to fresh air. In case of respiratory failure, give artificial respiration. In case of respiratory distress, obtain medical attention.

Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. In case of respiratory or cardiac arrest, start cardio-pulmonary resuscitation and obtain medical attention.

Note to physician: Potential for chemical pneumonia. Gastric lavage with intubation to protect airways can be considered if ingested. Cardiac arrhythmia has been observed when exposed to solvent.

5. FIRE FIGHTING MEASURES

Flash point : 4 C (Toluene)
Auto-ignition temperature : 480 C (Toluene)
Flammability limits – air (%) : LEL: 1.2 UEL: 7.1 (Toluene)
Extinguishing media : Foam, water spray or fog, dry chemical powder, carbon dioxide, sand.
Protective equipment : Firefighters must wear adequate protective equipment and NIOSH/MSHA approved autonomous respiratory masks.
Hazardous combustion materials : Carbon oxides.
Recommendations: Move containers away from the fire area if there are no risks. Do not disperse with high pressure hoses. Dam water run-off. Cool containers with water.
Special recommendation: Vapour forms a flammable / explosive mixture with air between upper and lower flammable limits. Vapours may travel long ground and flashback along vapour trail may occur. Fight fire from maximum distance.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protection equipment. Restrain access to the spill zone to qualified personnel. Insure adequate ventilation. Do not touch spilled product. Prevent spilled product from entering sewers or waterways. Stop or diminish leak if safe.

Small spill : Flammable liquid. Remove all sources of ignition. Isolate spill and stop the leak if safe. Work upwind of the spill. Avoid direct contact with the product. Contaminated clothing must be removed immediately to prevent risks of catching fire. Wear appropriate breathing apparatus and protective equipment. Dike to control land spills. Water spills can be contained by booming. Use water fog to knock down vapours. Contain ruff-off.

Large spill : Flammable liquid. Remove all sources of ignition. Prevent product from entering sewers or waterways. Isolate spill and stop the leak if safe. Work upwind of the spill. Avoid direct contact with the product. Contaminated clothing must be removed immediately to prevent risks of catching fire. Wear appropriate breathing apparatus and protective equipment. Dike to control land spills. Water spills can be contained by booming. Use water fog to knock down vapours. Contain ruff-off.

7. HANDLING AND STORAGE

Handling : Flammable liquid. Do not cut, drill, sand, weld or any similar operation on or near the containers. Fixed and transfer equipment must be grounded to prevent accumulation of static charges. Hot surfaces can ignite liquid in the absence of sparks or flames. Shut down pilot lights, cigarettes and all other sources of ignition before use and until all vapours are dissipated. Do not pressurize containers to empty them. Avoid breathing vapours and prolonged or repeated contact with skin. Was contaminated clothing before reuse. Maintain good personal hygiene. Air-dry contaminated clothing before washing.

Storage : Store in a cool and well ventilated area, away from heat and ignition sources. Use explosion-proof ventilation to control vapour accumulation.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering controls : Mechanical ventilation is recommended at all times to control vapour emissions. Electrical and mechanical equipment must be explosion proof. For personnel entering enclosed areas, an adequate procedure must be followed, including ventilation and testing of the container atmosphere.

<u>Personal protection equipment for routine handling :</u>

Eye : Safety goggles and/or face mask to protect eyes and face if the product is handled with risks of splashing.
Skin : In restricted areas or when risk of skin contact is present, wear chemical resistant clothing.
Gloves : Chemical resistant gloves.
Inhalation : If exposure is above allowed limits, use a NIOSH approved mask. Use a NIOSH approved mask with organic vapour cartridges or a positive pressure NIOSH approved mask.

<u>Personal protection equipment for spills :</u>

Eye : Safety goggles and/or face mask to protect eyes and face.
Skin : Wear chemical resistant clothing.
Gloves : Chemical resistant gloves.

Inhalation : Use a NIOSH approved mask with organic vapour cartridges or a positive pressure NIOSH approved mask.

Note : These precautions are for room temperature handling. Use at elevated temperatures of aerosol spray applications may require added protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	Transparent liquid.
Coulour :	Colourless.
Odour :	Solvent.
pH @ 1% :	7.50.
Relative density (g/cm3) :	0.792
Boiling point :	Not determined.
Freezing point :	Not determined.
Vapour pressure :	Not determined.
Volatiles (weight) :	Not determined.
Solubility (water) :	Not soluble.
VOC (%) :	Not determined.
Viscosity :	Not determined.

10. STABILITY AND REACTIVITY

Chemical stability :	Stable.
Hazardous polymerization :	No.
Conditions to avoid :	Avoid excessive heat, naked flames and all sources of ignition.
Materials to avoid :	Strong acids, strong alkalis, strong oxidants.

Dangerous decomposition products : Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Ingredient	CAS	Percentage	Exposure limits
Stoddard solvent	8052-41-3	60 – 100	LD50 >5000 mg/kg, rat, oral LD50 >3000 mg/kg, rabbit, skin LC50 >5,5 mg/l/4 hrs, rat TLV TWA 100 ppm
Toluene	108-883	10 – 30	LD50 636 mg/kg, rat, oral LD50 14100 ul/kg, rabbit, dermal LC50 19 mg/kg, rat ♀ TLV TWA 50 ppm ACGIH TWA 100 ppm, OSHA STEL 150 ppm, OSHA IDLH 500ppm LD50 >2000 mg/kg, rat, skin LC50 >3400 ppm/4hr, rat TWA 300 ppm, ACGIH

Potential acute health effects :

Eye contact : Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of the eyes. May cause blurred vision.

Skin contact : Can cause a skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of the skin, burns and other skin damages. Additional symptoms may include skin blistering.

Inhalation : Breathing of vapour or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Ingestion : Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Potential Chronic Health Effects

Carcinogenic effects: None known.
Mutagenic effects: None known.
Teratogenic effects: None known.

12. ECOLOGICAL INFORMATION

Ingredient	CAS	Test	Species
Toluene	108-88-3	LC50 24.0 mg/l	Bluegill
		LC50 24.0 mg/l	Rainbow trout
		LC50 25 mg/l	Fathead minnow (1 day old)
		LD50 31.7 mg/l	Fathead minnow (adult)

Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways. Block off drains and ditches. Spill areas must be cleaned and restored to original condition or to the satisfaction of authorities. May be harmful to aquatic life. Rapid volatilization. Not expected to bioconcentrate.

13. DISPOSAL CONSIDERATIONS

Waste disposal method : Dispose according to municipal, provincial and federal regulations.
Contaminated packaging : According to municipal, provincial and federal regulations.

14. TRANSPORT INFORMATION

Regulatory Information	Shipping name	UN	Class	PG
TDG Classification	Flammable liquid, n.o.s. (Hydrocarbons)	1993	3	II

15. REGULATORY INFORMATION

WHIMS : B2 Flammable liquid.
D2B Material having other toxic effects.

DSL : All components of this product are either on the Domestic Substance List (DSL), the Non-Domestic Substance List (NDSL) or exempt.

TSCA : U.S. TSCA Inventory Status : All components of this product are either on the Toxic Substances Control Act Inventory List or exempt.

16. OTHER INFORMATION

Prepared by : Auto-Chem Inc. Date : Sept. 2015

Notice to reader :
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