Solvent UC500S

SECTION 1. IDENTIFICATION

Product Identifier	Solvent UC500S
Other Identification	Solvent
Product Family	Organic solvent
Manufacturer	Glass-Shield, 111 Bombardier, Chateauguay, Quebec, J6J 4Z2, Canada, H&S Department, 1-800-3616652
Emergency Phone No.	IN CANADA CALL CANUTEC, 1-613-996-6666, 24 hours IN THE U.S.A. CALL INFOTRAC EMERGENCY RESPONSE HOTLINE, 1-800-535-5053
SDS No.	0061

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).
Classified according to the US Hazard Communication Standard (HCS 2012).
Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Flammable liquid - Category 2; Acute toxicity (Inhalation) - Category 2; Skin irritation - Category 2; Serious eye damage - Category 1; Aspiration hazard - Category 1; Aquatic hazard (Acute) - Category 2

Label Elements

Danger
Highly flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye damage.
Toxic to aquatic life.
Prevention:
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wear protective gloves/eye protection/face protection.
IF SWALLOWED: Immediately call a POISON CENTRE/doctor
Wear respiratory protection (NIOSH approved self-contained breathing apparatus (SCBA) or supplied air respirator).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Xylene (mixed isomers)	1330-20-7	40-70%		
Methyl ethyl ketone	78-93-3	10-30%		

Ethyl acetate	141-78-6	7-13%		
Ethylbenzene	100-41-4	7-13%		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Call a Poison Centre or doctor if you feel unwell.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Immediately call a Poison Centre or doctor.

First-aid Comments

Some of the first-aid procedures recommended here require advanced first-aid training.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

Water is not effective for extinguishing a fire. It may not cool product below its flash point.

Specific Hazards Arising from the Product

Reactive flammable. Heating increases the release of toxic vapour.
In a fire, the following hazardous materials may be generated: flammable chemicals; irritating chemicals; toxic chemicals; very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution. Fight fire from a safe distance or a protected location.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Eliminate all ignition sources. Use grounded, explosion-proof equipment.

Environmental Precautions

It is good practice to prevent releases into the environment. 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 and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Do not use absorbents. Contain spill using noncombustible material such as vermiculite, earth or sand. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Prevent all skin contact. Obtain special instructions before use. Only use where there is adequate ventilation. Avoid release to the environment. Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system).

Conditions for Safe Storage

Store in an area that is: cool, temperature-controlled, dry, well-ventilated, clear of combustible and flammable materials (e.g. old rags, cardboard). Restrict access to authorized personnel only.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

	ACGIH TLV®		OSHA PEL		AIHA WEEL	
Chemical Name	**TWA**	**STEL**	**TWA**	**Ceiling**	**8-hr TWA**	**TWA**
Xylene (mixed isomers)	100 ppm A4	150 ppm A4	100 ppm			
Methyl ethyl ketone	200 ppm	300 ppm	200 ppm			
Ethyl acetate	400 ppm	400 ppm	400 ppm			
Ethylbenzene	25 ppm	125 ppm	100 ppm			

Appropriate Engineering Controls

Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored. Control static electricity discharges which includes bonding of equipment to ground. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.
Nitrile rubber.

Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Colourless. Particle Size: Not applicable
Odour	Ethereal
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not available (melting); -87 ºC (freezing)
Boiling point/Initial boiling point	80 ºC
Flash Point	-3 ºC
Evaporation Rate	1
Upper/Lower Flammability or Explosive Limit	10% (upper); 2% (lower)
Vapour Pressure	> 95 kPa
Vapour Density (air = 1)	>= 2
Relative Density (water = 1)	1
Solubility	Soluble in water; Soluble in all proportions in common organic solvents.

Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	516 ºC
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)

Other Information

Physical State	Liquid
Molecular Formula	Not available
Molecular Weight	Not available
Bulk Density	Not available
Surface Tension	Not available
Critical Temperature	Not available
Electrical Conductivity	Not available
Vapour Pressure at 50 deg C	Not available
Saturated Vapour Concentration	13200 ppm

SECTION 10. STABILITY AND REACTIVITY

Reactivity

May cause or intensify fire.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Decomposes in the presence of acidic conditions (low pH).

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources. Acidic conditions (low pH). Incompatible materials. Temperatures above 40 ºC

Incompatible Materials

Organic acids (e.g. acetic acid).
Not corrosive to metals.

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Xylene (mixed isomers)	6700 ppm (rat) (4-hour exposure)	3523 mg/kg (rat)	Not available
Methyl ethyl ketone	11700 ppm (rat) (4-hour exposure)	2740 mg/kg (male rat)	8050 mg/kg (rabbit)
Ethyl acetate	8000-16000 ppm (rat) (4-hour exposure)	5620 mg/kg (rat)	> 20000 mg/kg (rabbit)
Ethylbenzene	4000 ppm (rat) (4-hour exposure)	3500 mg/kg (rat)	15380 mg/kg (rabbit)

Skin Corrosion/Irritation

Human experience shows moderate or severe irritation.

Serious Eye Damage/Irritation

Human experience and animal tests show mild irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful based on animal tests.

Skin Absorption

Harmful based on human experience and animal tests.

Ingestion

Based on human experience and animal tests.

Aspiration Hazard

Symptoms may include coughing, choking, shortness of breath, difficult or rapid breathing, and wheezing.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Based on studies in people and animals.

Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Xylene (mixed isomers)	Group 3			
Methyl ethyl ketone	Not evaluated	Not designated	Not Listed	
Ethylbenzene	Not evaluated			

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

(Xylene (mixed isomers)). (Ethyl benzene). (Light aromatic solvent naphtha). (n-Butyl acetate).

Persistence and Degradability

Does not degrade rapidly based on quantitative tests.

Bioaccumulative Potential

This product and its degradation products are not known to bioaccumulate.

Mobility in Soil

If released into the environment, this product can move rapidly through the soil.

Other Adverse Effects

This product contains volatile organic compounds.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Recycle and reuse product, if possible. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction. Dispose of or recycle empty containers through an approved waste management facility.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	1263	UC 500 S SOLVENT clear	3	II

Special Precautions Not applicable

Transport in Bulk according to International Maritime Organization Instruments

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

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

Listed on the DSL.

CEPA - National Pollutant Release Inventory (NPRI)

Part 1A.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

Listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

Date of Preparation décembre 02, 2020

Key to Abbreviations ACGIH® = American Conference of Governmental Industrial Hygienists
AIHA® = AIHA® Guideline Foundation HSDB® = Hazardous Substances Data Bank
IARC = International Agency for Research on Cancer
NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health
NTP = National Toxicology Program
OSHA = US Occupational Safety and Health Administration
RTECS® = Registry of Toxic Effects of Chemical Substances