



## Safety Data Sheet

### Urethane Clear Coat

## 1. Identification

**Product identifier:** Urethane Clear Coat  
**Product code:** HC-2921  
**Supplier Name:** Innovative Solutions Teckh., Inc.  
41158 Koppernick Rd.  
Canton, MI  
48187  
**Telephone:** (734) 335-6665  
**Emergency telephone number:** (734) 335-6665  
**Available hours:** 8h-17h Monday to Friday  
  
**Recommended use:** Automotive refinish  
**Restrictions on use:** For industrial use only

## 2. Hazard identification

**Hazard classification:** DANGER

**Product classification:**



Flammable liquids-Category 2.

Aspiration hazard-Category 1. Reproductive toxicity-Category 2.

Skin irritation-Category 2. Serious eye irritation-Category 2A. Skin sensitization-Category 1B. Specific target organ toxicity – single exposure-Category 3 Respiratory tract irritation. Specific target organ toxicity – single exposure-Category 3 Narcotic effects.

**Hazard statement(s):** Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Suspected of damaging fertility or the unborn child. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness.

### Precautionary statement(s)

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat,



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hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. For large container, ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lightning equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing mist, vapours, and spray. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye and face protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

**Response:** IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice. IF exposed or concerned: Get medical advice. Take off contaminated clothing and wash it before reuse. In case of fire: Use an appropriate extinguisher.

**Storage:** Keep cool. Store in a well ventilated place. Keep container tightly closed. Store locked up.

**Disposal:** Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

**Other hazards:** Moderately toxic by intravenous, intraperitoneal route and subcutaneous routes.

See toxicological information, section 11

### 3. Composition/Information on ingredients

No	CAS No	Common name and synonyms	Concentration (W/W)
1	98-56-6	para-Chlorobenzotrifluoride	20.16%
2	67-64-1	Acetone	17.22%
3	1330-20-7	Xylenes ( mix isomers o,m,p, and ethyl benzene )	12.29%



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#### 4. First-aid measures

If swallowed, irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.

**Eye contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

**Inhalation:** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

**Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Symptoms:** If inhaled, prostration, convulsions, vascular congestion, pulmonary hemorrhage. If ingested, vomiting, breathing difficulties, ataxia, cyanosis, and coma. We can observe headaches, nausea, vomiting and dizziness. Decreased concentration and memory, sleep disturbances, irritability and muscular aches. Redness, flaking and cracking of the skin. Skin hypersensitivity. Cough, breathing pain, eye redness. Possible perceptive deafness, dizziness, tinnitus and hyperacusis.

**Effects (acute or delayed):** May cause skin sensitization. May cause the inflammation of the airways. Some suspected neurological disorders. May cause kidney damage. Inhalation of high concentrations vapors can cause narcotic effect. May cause skin irritation. Following repeated or prolonged contact, it has a degreasing effect on the skin. May cause irritation of eyes and respiratory tract. In high concentration, can cause depression of the central nervous system. Irritation of the upper respiratory tract.

**Immediate medical attention and special treatment:** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.



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## 5. Fire-fighting measures

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media:** Jets of water can facilitate the spread of fire.

**Specific hazards arising from the hazardous product:** Flammable. Vapors may form explosive mixtures with air. The vapors are heavier than air and may travel to an ignition source.

**Hazardous combustion products:** Carbon monoxide and dioxide. Aldehydes. Carboxylic acids.

**Special protective equipment and precautions for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

**Personal precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

**Protective equipment and emergency procedures:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and materials for containment and cleaning up:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosionproof equipment. Dispose of via a licensed waste disposal contractor.



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## 7. Handling and storage

**Precautions for safe handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Conditions for safe storage:** Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Incompatibility:** Strong oxidizing agents. Oxidizers. Strong acids and bases.

## 8. Exposure controls/Personal protection

No	CAS No	Common name and synonyms	IDHL mg/m3	TWA mg/m3	STEL mg/m3	CEIL mg/m3
1	98-56-6	para-Chlorobenzotrifluoride	Not available	Not available	Not available	Not available
2	67-64-1	Acetone	5938	1190	2380	Not available
3	1330-20-7	Xylenes ( mix isomers o,m,p, and ethyl benzene )	900	434	651	Not available

IDHL: Immediately Dangerous to Life or Health Concentrations

TWA : Time Weighted Average

STEL: Short -Term Exposure Limit

CEIL: Ceiling Limit

**Appropriate engineering controls:** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep



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gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Individual protection measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eyes:** DO NOT WEAR CONTACT LENSES Wear anti-splash safety goggles.

**Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

**Respiratory:** If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Others:** Wear protective clothing with long sleeves and appropriate safety shoes at all times.

## 9. Physical and chemical properties

**Physical state:** Liquid

**Colour:** Clear

**Odour:** Solvent

**Odour threshold:** Not available

**pH:** Not applicable

**Melting/Freezing point:** -52°C (-61.6°F)

**Initial boiling point/boiling range:** >56°C (132.8°F)

**Flash point:** -6°C (21.2°F) Close cup

**Lower flammable/explosive limit:** 1,5% at 25 °C

**Upper flammable/explosive limit:** 12,8% at 25 °C

**Auto-ignition temperature:** 465°C (869°F)

**Evaporation rate:** Not available

**Vapour pressure:** >10 mm Hg at 20 °C

**Vapour density:** > 1 (air=1)

**Relative density:** 1,012 kg/L à 20 °C (water = 1)

**Solubility in water:** Insoluble

**Partition coefficient - n-octanol/water:** Not applicable

**Decomposition temperature:** Not available

**Kinematic viscosity:** Not available



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## 10. Stability and reactivity

**Reactivity:** Stable under recommended conditions of storage and handling.

**Chemical stability:** The product is chemically stable under normal conditions of use.

**Possibility of hazardous reactions:** No dangerous or polymerization reactions will not occur under normal conditions of use. Danger of explosion when heated.

**Conditions to avoid:** Keep away from incompatible products. Avoid electrical discharge. Keep away from sources of ignition, open flames and sparks,

**Incompatible materials:** This product can attack certain types of plastic, rubber or coatings.

**Hazardous decomposition products:** Carbon monoxide and dioxide. Aldehydes. Carboxylic acids.

## 11. Toxicological information

No	CAS No	Common name and synonyms	(1) LD oral	(2) LD skin	(3) LD skin	(4) LC gases	(5) LC vapours	(6) LC dusts-mist
1	98-56-6	para-Chlorobenzotrifluoride	13000	Not available	3300	Not applicable	22.00	>5,00
2	67-64-1	Acetone	5800	Not available	>15800	Not applicable	71.25	>5,00
3	1330-20-7	Xylenes ( mix isomers o,m,p, and ethyl benzene )	3523	Not available	4325	Not applicable	21.71	>5,00

(1) LD<sub>50</sub> oral mg/kg

(2) LD<sub>50</sub> skin mg/kg

(3) LD<sub>50</sub> skin mg/kg

(4) LC<sub>50</sub> inhalation ppmV 4h gases

(5) LC<sub>50</sub> inhalation mg/l 4h vapours

(6) LC<sub>50</sub> inhalation mg/l 4h dusts-mist

**Routes of exposure:** This product is absorbed through the respiratory tract, skin and gastrointestinal tract.

**Symptoms:** If inhaled, prostration, convulsions, vascular congestion, pulmonary hemorrhage. If ingested, vomiting, breathing difficulties, ataxia, cyanosis, and coma. We can observe headaches, nausea, vomiting and dizziness. Decreased concentration and memory, sleep disturbances, irritability and muscular aches. Redness, flaking and cracking of the skin. Skin hypersensitivity. Cough, breathing pain, eye redness. Possible



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perceptive deafness, dizziness, tinnitus and hyperacusis.

**Delayed and immediate effects:** May cause skin sensitization. May cause the inflammation of the airways. Some suspected neurological disorders. May cause kidney damage. Inhalation of high concentrations vapors can cause narcotic effect. May cause skin irritation. Following repeated or prolonged contact, it has a degreasing effect on the skin. May cause irritation of eyes and respiratory tract. In high concentration, can cause depression of the central nervous system. Irritation of the upper respiratory tract.

No	CAS No	Common name and synonyms	IARC	ACGIH	Mutagenicity	Effect on reproduction
1	98-56-6	para-Chlorobenzotrifluoride	4	A5	The data do not allow for an adequate assessment of mutagenic effects.	Not available.
2	67-64-1	Acetone	3	A4	No effects shown.	The data do not allow for an adequate evaluation of the effects on reproduction.
3	1330-20-7	Xylenes ( mix isomers o,m,p, and ethyl benzene )	3	A4	The data do not allow for an adequate assessment of mutagenic effects.	It has an embryotoxic and / or fetotoxic in animals. It can cause sperm damage in animals.

#### Cancer classification under IARC (International Agency for Research on Cancer)

Group 1: carcinogenic to humans.

Group 2A: probably carcinogenic to humans.

Group 2B: possibly carcinogenic to humans.

Group 3: not classifiable as to its carcinogenicity to humans.

Group 4: probably not carcinogenic to humans.

#### Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)

Group A1: confirmed human carcinogen.

Group A2: suspected human carcinogen.



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Group A3: confirmed animal carcinogen with unknown relevance to humans.

Group A4: not classifiable as a human carcinogen.

Group A5: not suspected as a human carcinogen.

## 12. Ecological information

No	CAS No	Common name and synonyms	%	Persistent	Bio-accumulation	Aquatic ecotoxicity
1	98-56-6	para-Chlorobenzotrifluoride	20.16	N/A	N/A	N/A
2	67-64-1	Acetone	17.22	Yes	No	No
3	1330-20-7	Xylenes ( mix isomers o,m,p, and ethyl benzene )	12.29	No	No	No

No	CAS No	Common name and synonyms	%	Ecotoxicity for aquatic organisms-Short term	Ecotoxicity for aquatic organisms-Long term	Environnemental effects
1	98-56-6	para-Chlorobenzotrifluoride	20.16	Not available.	Toxic to aquatic life with long lasting effects.	No known adverse effect to the environment.
2	67-64-1	Acetone	17.22	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
3	1330-20-7	Xylenes ( mix isomers o,m,p, and ethyl benzene )	12.29	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.

## 13. Disposal considerations

**Methods of disposal:** The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally.



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## 14. Transport information

	TDG	DOT	IMDG	IATA
UN number	1263	1263	1263	1263
Proper shipping name	PAINT	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3	3
Packing group	II	II	II	II

### Other information

**Marine pollutant:** No

**IMDG:** Not applicable

**Exemption for limited quantity:** 5 L

In accordance with the Canadian Transport of Dangerous Goods regulations by Road, we use the 1.17 exemption when applicable.

**Special precautions:** Not applicable

**Others exemptions:** No other exemption.

## 15. Regulatory information

### Canada

No	CAS No	Common name and synonyms	%	DSL	NDSL	NPRI
1	98-56-6	para-Chlorobenzotrifluoride	20.16	X		
2	67-64-1	Acetone	17.22	X		
3	1330-20-7	Xylenes ( mix isomers o,m,p, and ethyl benzene )	12.29	X		X

### United-States

No	CAS No	Common name and synonyms	%	TSCA	PROP-65	Right to Know
1	98-56-6	para-Chlorobenzotrifluoride	20.16	X		
2	67-64-1	Acetone	17.22	X		X
3	1330-20-7	Xylenes ( mix isomers o,m,p, and ethyl benzene )	12.29	X		X

*All ingredients are listed on the EINECS or in compliance with the inventory.*

*The customer is responsible for determining the PPE (personal protection equipment) code for this material.*



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*The classification of the product and the SDS were developed in accordance with HPR.*

## 16. Other information

**Date:** 2018-09-28

**Version:** 1

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