

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SYN-GLO Synthetic Enamel Urethane Hardener

PRODUCT CODE: K-1605

MANUFACTURER:

COVENTRY COATINGS CORP.
 dba Kirker Automotive Finishes
 89 Taft Ave.
 Newburgh, NY 12550
 USA: 1-800-307-7951 or (845) 562-5666

**EMERGENCY CONTACT FOR
 SPILL, FIRE, EXPLOSION:
 CHEM-TREC 1-800-424-9300**

SECTION 2: HAZARD IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification:

FLAMMABLE LIQUIDS:	Category 3
RESPIRATORY SENSITIZER:	Category 1
SKIN SENSITIZER:	Category 1
SPECIFIC TARGET ORGAN TOXICITY: REPEATED EXPOSURE:	Category 2

GHS Label Elements: **PICTOGRAMS**



SIGNAL WORD: **Danger**

Hazard Statements: Flammable liquid and vapor. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:

Prevention: Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting, and other tools or equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust, fumes, gas, mist, vapors or spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Use personal protective equipment as required, (see Section 8). Wear protective gloves, protective clothing, eye and face protection. Wear an appropriate, properly fitted fresh air supplied respirator (NIOSH-approved TC19 or equivalent) during and after application, and until all organic solvent vapors and spray mists are exhausted, or any time airborne contaminant levels exceed exposure limits indicated in Section 8. If medical advice is needed, have product container or label at hand. Avoid release to the environment. Keep out of reach of children and pets at all times.

Response: Get Medical attention if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician 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 attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water or shower. If skin irritation or rash occurs: Get medical attention. Immediately call a POISON CENTER or physician if you feel unwell. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction, do not use water, see Section 5.

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

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% by Weight
1-METHOXY-2-ACETOXYPROPANE	108-65-6	50 – 75 %
ALIPHATIC POLYISOCYANATE	53880-05-0	10 – 25 %
LIGHT AROMATIC SOLVENT NAPHTHA	64742-95-6	1 – 10 %
N-BUTYL ACETATE	123-86-4	1 – 10 %
* 1,2,4 TRIMETHYLBENZENE	95-63-6	1 – 3 %
* XYLENE	1330-20-7	0.1 – 1 %

* Indicates chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372

SECTION 4: FIRST AID MEASURES

Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, check for and remove contact lenses. Seek immediate medical attention.
Skin:	Remove contaminated clothing. Immediately flush exposed area with large amounts of water. If symptoms persist, seek medical attention. Wash clothing separately and clean shoes before reuse.
Ingestion:	Seek immediate medical attention, contact physician or poison control center. Do NOT induce vomiting unless directed to do so by medical professional. Never give anything by mouth to an unconscious person.
Inhalation:	Seek immediate medical attention. Remove from exposure to fresh air. If not breathing or if breathing is irregular, provide artificial respiration or oxygen by trained personnel; rescuers should put on appropriate protective gear.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Vapor and spray mist harmful. May be harmful or fatal if swallowed, aspiration hazard. Exposure may cause lung damage, allergic reaction and respiratory reaction. May cause eye, skin, nose, throat and respiratory irritation. May affect the central nervous system causing dizziness, headache, or nausea. May cause skin dryness or cracking.

Effects:	Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage causing dizziness, headache, or nausea and may cause adverse liver and kidney effects. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. Individuals with chronic respiratory problems or prior respiratory reactions to isocyanates should neither use this product nor be exposed to its vapors or spray mist.
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Notes to Physician:	This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Symptoms of poisoning may appear several hours after exposure.
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SECTION 5: FIRE FIGHTING MEASURES**Suitable Extinguishing Media:**

Carbon Dioxide, Dry Chemical, Alcohol-resistant Foam. Do not use water, material will float and may ignite on surface of water.

Fire Fighting Procedures:

Fight as volatile liquid fire. Wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Eliminate all sources of ignition. Evacuate unnecessary personnel. Do not use water. Material will float and may ignite on surface of water. Use water spray to cool containers with caution, avoid spreading burning liquid. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

Unusual Fire and Explosion Hazard:

Flammable liquid and vapor. Can form explosive mixtures at temperatures at or above the flashpoint. May cause flash fire or explosion. Vapors can travel to a source of ignition and flash back. This material may be ignited by heat, sparks, flame or static electricity. Closed containers may explode when exposed to extreme heat. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Do not reuse container.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Environmental Precautions:**

Avoid runoff and contact with soil, drains, sewers and waterways. Contact appropriate authority if spill is in excess of reportable quantity.

Personal Precautions:

Eliminate all ignition sources. No smoking, do not use flares. Contact emergency personnel. Evacuate the spill area and keep unnecessary, unprotected personnel away. Do not breathe vapors, use suitable personal protective equipment. Do not touch or walk through spilled material. Prevent additional discharge of material if able to do so safely. Ventilate spill area.

Method of Cleaning Up:

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Recover by pumping (use an explosion proof or hand pump). Pump any free liquid into a closed but not sealed container to allow for the escape of any CO₂ that forms. Sealing the container may lead to rupture as any contaminated isocyanate reacts. For large spills, dike spilled material, or otherwise contain material to ensure runoff does not reach a waterway.

Dispose of spilled material and contaminated absorbent material in compliance with local and national regulations, use a licensed waste disposal contractor, see Section 13.

SECTION 7: HANDLING AND STORAGE**Precautions for Safe Handling:**

Use only in a well ventilated area, with appropriate personal protective equipment, (see section 8). Do not eat, drink or smoke when handling this material. Wash hands and face before eating, drinking or smoking. Do not breathe vapor, fumes or mist. Do not get in eyes, or on skin, or clothing.

Always open containers slowly to allow any excess pressure to vent. Containers should be grounded when pouring. Take precautionary measures against static discharge. When transferring, follow proper grounding procedures. Use spark-proof tools and explosion proof equipment.

This material is part of a multiple component system, read the Safety Data Sheet(s) for all components before mixing, as the mixture will have the hazards of all of its parts. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for Safe Storage, Including Incompatibilities:

Store in accordance with local regulations. Store locked up. Keep container closed when not in use. Isolate from heat, flame, sparks, pilot lights, smoking materials and other sources of ignition. Containers can build up pressure if exposed to heat (fire). Store containers in a cool, well ventilated, explosion proof area. Protect from direct sunlight.
KEEP OUT OF REACH OF CHILDREN AND PETS AT ALL TIMES.

SECTION 8: EXPOSURE CONTROLS\PERSONAL PROTECTION

Ingredient Name	CAS	Exposure Limits
1-METHOXY-2-ACETOXYPROPANE	108-65-6	Data not available
1,2,4 TRIMETHYLBENZENE	95-63-6	ACGIH TWA 25 PPM OSHA PEL TWA 25 PPM
ALIPHATIC POLYISOCYANATE	53880-05-0	ACGIH TWA 0.005 PPM OSHA PEL TWA 0.005 PPM
LIGHT AROMATIC SOLVENT NAPHTHA	64742-95-6	Data not available
N-BUTYL ACETATE	123-86-4	ACGIH TWA 150 PPM OSHA PEL TWA 150 PPM
XYLENE	1330-20-7	ACGIH TWA 100 PPM OSHA PEL TWA 100 PPM

Engineering Controls: Provide explosion proof exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Personal Protective Equipment

Eyes and Face: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

Skin: Wear impervious gloves to prevent contact with the skin. Where contact is likely, wear chemical resistant gloves, a chemical suit, long sleeves, rubber boots, and chemical safety goggles plus a face shield.

Respiratory: Wear an appropriate, properly fitted fresh-air supplied respirator, (NIOSH-approved TC-19C or equivalent), during and after application, until all organic vapors and spray mists are exhausted or any time airborne contaminate levels exceed exposure limits. Follow respirator manufacturer's directions and observe OSHA regulations for respirator use (29 cfr 1910.134).

Work Hygienic Practices:

Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear liquid
Odor:	Typical
Odor Threshold:	Not available
pH:	Not available
Melting Point:	Not applicable
Boiling Range:	212 – 340°F
Flash Point And Method:	115°F TCC
Evaporation Rate:	Not available
Flammability (Solid/Gas):	Not applicable
Explosive Limits, (vol %):	0.9 – 7.6
Vapor Pressure:	Not available
Vapor Density:	Not available
Density (g/cm ³):	1.006
% Solubility In Water:	Not available
Octanol/Water Partition Coefficient:	Not available
Auto-Ignition Temperature:	Not available
Decomposition Temperature:	Not available
Volatile Weight:	100.0
Volatile Volume:	100.0
Exempt V.O.C. Wt %:	0.00
Exempt V.O.C. Vol %:	0.00
Regulatory V.O.C. g/l:	758
Actual V.O.C. g/l:	758

SECTION 10: STABILITY AND REACTIVITY**Hazardous Polymerization:**

Not determined

Conditions to Avoid:

Avoid impact or friction. Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke, extinguish all flames and pilot lights. Turn off stoves, heaters, electrical motors, tools, appliances and any other possible sources of ignition prior to spray application, during use and until all vapors are exhausted from the area. Minimize exposure to air. Avoid static discharge.

Chemical Stability:

Not determined

Hazardous Decomposition Products:

Toxic gases/fumes are given off during burning or thermal decomposition. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed. Decomposition releases nitrogen oxides. Isocyanate-containing vapors are a hazardous decomposition product.

Incompatible Materials:

Keep separate from alkalis. Avoid contact with moisture and/or water. Prevent contact with strong oxidizing agents. Keep away from strong bases and acids. Avoid contact with concentrated sulfuric or nitric acid.

SECTION 11: TOXICOLOGICAL INFORMATION

Available ingredient data is listed below:

1-METHOXY-2-ACETOXYPROPANE (108-65-6)

Acute Dermal Toxicity	LD50: >5,000 mg/kg	
Acute Inhalation Toxicity	LC50: 4345.0 mg/l	Harmful if inhaled.
Acute Oral Toxicity	LD50: 8532.0 mg/kg	

1,2,4 TRIMETHYLBENZENE (95-63-6)

Acute Dermal Toxicity	LD50: >5,000 mg/kg	May cause skin irritation.
Acute Inhalation Toxicity	LC50: 18 mg/l	Harmful if inhaled.
Acute Oral Toxicity	LD50: 5,000 mg/kg	
Target Organ, Single Exposure	Respiratory	May cause respiratory irritation.
Eye Irritation	Causes serious eye irritation.	

ALIPHATIC POLYISOCYANATE (53880-05-0)

Acute Dermal Toxicity	LD50: >2,000 mg/kg	
Skin Sensitizer	May cause an allergic skin reaction.	
Respiratory Sensitizer	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Target Organ, Repeated Exposure	May cause damage to organs through prolonged or repeated exposure.	

N-BUTYL ACETATE (123-86-4)

Acute Dermal Toxicity	LD50: >16,000 mg/kg	
Acute Inhalation Toxicity	LC50: >20.0 mg/l	May cause drowsiness/dizziness.
Acute Oral Toxicity	LD50: >14,130 mg/kg	

LIGHT AROMATIC SOLVENT NAPHTHA (64742-95-6)

Acute Dermal Toxicity	LD50: >3160 mg/kg	May cause skin irritation.
Acute Inhalation Toxicity	LC50: >20.0 mg/l	May cause respiratory irritation.
Acute Oral Toxicity	LD50: >3,000 mg/kg	
Eye Irritation	Causes serious eye irritation.	
Target Organ, Repeated Exposure	Liver, Kidney, Central Nervous System	May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity Classification	IARC Group 2B Contains Cumene, (CAS No. 98-82-8), which is classified as possibly carcinogenic to humans.	

XYLENE(1330-20-7)

Acute Dermal Toxicity	1,100 mg/kg	Category 4 Harmful by skin absorption.
Acute Inhalation Toxicity	LC50 6700 ppm 4hrs (rat)	Category 4 Harmful if inhaled.
Acute Oral Toxicity	LD50 3,523 mg/kg (rat)	
Aspiration Toxicity	Category 1	May be fatal if swallowed and enters airways.
Target Organ, Single Exposure	Respiratory System	Category 3 May cause respiratory irritation.
Target Organ, Repeated Exposure	Liver, Kidney, Central Nervous System	Category 2 May cause damage to organs through prolonged or repeated exposure.
Eye Irritation	Category 2A	Causes serious eye irritation.
Skin Irritation	Category 2	Causes skin irritation.
Carcinogenicity Classification	IARC Group 2B	Possibly carcinogenic to humans.

EFFECTS OF OVEREXPOSURE**Inhalation:**

Harmful if inhaled. Breathing saturated vapors for a few minutes may be fatal. Saturated vapors can be encountered in confined spaces and/or under conditions of poor ventilation. Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression). May cause dizziness and drowsiness. Certain individuals will develop sensitization (chemical asthma) which will result in reactions at levels below the TLV.

Skin Contact:

Contact with skin may cause mild irritation. Harmful if absorbed through skin. Can be absorbed through skin and produce central nervous system effects. Causes skin irritation. Allergic reactions are possible. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Personnel with pre-existing skin disorders should avoid contact with this product.

Eye Contact:

Causes eye irritation. May cause corneal injury. Symptoms may include stinging, tearing, redness and swelling.

Ingestion:

Harmful if swallowed. Harmful or fatal if liquid is aspirated into lungs. Ingestion may cause gastrointestinal tract irritation. May cause nausea and diarrhea. Ingestion may result in nausea, vomiting, diarrhea and restlessness. May cause headache. May cause dizziness and drowsiness and/or stupor.

Chronic Hazards:

Suspect cancer hazard. Possible brain damage from overexposure. Overexposure may cause nervous system damage. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema. Chronic effects of ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction. Overexposure may cause kidney damage. May cause liver disorder (e.g., edema, proteinuria) and damage. Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

Primary Route(s) of Entry: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

SECTION 12: ECOLOGICAL INFORMATION

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Recommendations: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection, waste disposal legislation and any regional local authority requirements. Empty containers should be disposed of through an approved waste management facility. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, ensure conformity to all applicable hazardous waste regulations, and consult your local or regional authorities.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: UN1263

UN PROPER SHIPPING NAME: PAINT

TRANSPORT HAZARD CLASS: 3

PACKING GROUP: II

SPECIAL PRECAUTIONS: The listed transportation information applies only to ground transport and does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the shipper and the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. Local Government regulations and rules should prevail.

SECTION 15: REGULATORY INFORMATION**UNITED STATES FEDERAL REGULATIONS:**

OSHA: OSHA Hazard Communication Standard 29 CFR 1910.1200
A component(s) of this product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substance Control Act (TSCA):
All components of this product are listed or are exempt from Listing on the TSCA Inventory.

EPCRA - Emergency Planning and Community Right-to-Know Act**CERCLA RQ - 40 CFR 302.4 (a):** List of Hazardous Substances and Reportable Quantities (RQ)

XYLENE	1330-20-7	100 lbs.
ETHYLBENZENE	100-41-4	1,000 lbs.
N-BUTYL ACETATE	123-86-4	5,000 lbs.

SARA Section 311/312 Hazard Category - 40 CFR 370.2

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Reactive Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313 Components - 40 CFR 372.65

This product contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and 40 CFR 372:

1,2,4 TRIMETHYLBENZENE	95-63-6
CUMENE	98-82-8
ETHYLBENZENE	100-41-4
XYLENE	1330-20-7

STATE REGULATIONS:

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

CUMENE	98-82-8
ETHYLBENZENE	100-41-4
XYLENE	1330-20-7

New Jersey, Pennsylvania, Massachusetts

1-METHOXY-2-ACETOXYPROPANE	108-65-6
1,2,4 TRIMETHYLBENZENE	95-63-6
ALIPHATIC POLYISOCYANATE	53880-05-0
CUMENE	98-82-8
ETHYLBENZENE	100-41-4
LIGHT AROMATIC SOLVENT NAPHTHA	64742-95-6
N-BUTYL ACETATE	123-86-4
XYLENE	1330-20-7

SECTION 16: OTHER INFORMATION

HMIS RATING

Health: 3
Flammability: 3
Personal Hazard: 1
Personal Protection: J

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

DISCLAIMER: The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date. Coventry Coatings Corp. makes no representation, warranty or guarantee as to the completeness or accuracy thereof. 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.

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