

SAFETY DATA SHEET

Section 1- Product and Company Information

Product Name: UM GLOSS CLEAR Product Code: MCR-4003

MOTOR CITY REFINISH
27100 Hall Road
Flat Rock, MI 48134

MOTOR CITY REFINISH
Phone: 313-636-2414

24 HOUR EMERGENCY
CHEMTREC: 20307
1-800-424-9300

Product Use: INDUSTRIAL USE ONLY

Section 2- Hazards Identification

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosion/irritation	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Serious eye damage/eye irritation	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Skin sensitization	1	Skin sensitizer
Carcinogenicity	2	Limited evidence of human or animal carcinogenicity

GHS Hazards

H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H351	Suspected of causing cancer

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/lighting equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash ... thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P321	Specific treatment (see ... on this label)
P362	Take off contaminated clothing and wash before reuse

P363 Wash contaminated clothing before reuse
P302+P352 If on skin: Wash with plenty of soap and water for 15 minutes.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313 IF exposed or concerned: Get medical advice/attention
P332+P313 If skin irritation occurs: Get medical advice/ attention
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P337+P313 If eye irritation persists: Get medical advice/attention
P370+P378 In case of fire: Use ABC-powder, alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder to extinguish
P405 Store locked up
P403+P235 Store in a well ventilated place. Keep cool
P501 Dispose of contents/container to and unused product in accordance with existing federal, state and local government regulations

Signal Word: Danger

GHS label elements



Section 3- Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Xylene	1330-20-7	30.00% - 40.00%
ACETONE	67-64-1	27.00%
n-Butyl Acetate	123-86-4	12.00%
PROPANOIC ACID, 3-ETHYL-, ETHYL ESTER	763-69-9	10.00% - 20.00%
Ethyl benzene	100-41-4	5.00% - 10.00%
Methyl methacrylate	80-62-6	1.00% - 5.00%
GLYCOL ETHER EB	111-76-2	1.00% - 5.00%
TOLUENE	108-88-3	0.10% - 1.00%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4- First Aid Measures

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing

Get immediate medical advice/attention

IF ON SKIN: Gently wash with soap and water

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

Section 5- Fire Fighting Measures

Flash Point: 0 C (32 F)

LEL: 1.00

UEL: 13.00

Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unusual Fire and Explosion Hazards:

Vapors are heavier than air and may travel along the ground or may be moved by ventilation.

Fire Fighting Procedures:

Wear fire/flammable resistant/retardant clothing

Wear self contained respiratory protection

Section 6- Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

For non-emergency personal: 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.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental Precautions: 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).

Small Spill:

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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. Dispose of via a licensed waste disposal contractor.

Large Spill:

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7- Handling and Storage

Precautions for safe handling:

Protective measures: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or 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

only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Special Precautions: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

Occupational Hygiene: 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. See also Section 8 for additional information on hygiene measures.

Storage Considerations:

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. Store locked up. 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

Section 8- Exposure Control and Personal Protection			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Xylene 1330-20-7	PEL 435 mg/M3 CEILING 300 PPM	STEL 150 PPM	Not Established
ACETONE 67-64-1	1000ppm TWA; 2400mg/m3TWA	500 ppmTWA 750 ppm STEL	Not Established
n-Butyl Acetate 123-86-4	(Vacated)TWA:150 ppm (Vacated)TWA:710 mg/m3 (Vacated) STEL: 200 ppm (Vacated) STEL: 950mg/m3 TWA: 150 ppm TWA: 710 mg/m3	TWA:150 ppm STEL: 200 ppm	Not Established
PROPANOIC ACID, 3-ETHYL-, ETHYL ESTER 763-69-9	Not Established	Not Established	Not Established
Ethyl benzene 100-41-4	TWA 100.000000 ppm 435.000000 mg/m3 USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants The value in mg/m3 is approximate. TWA 100 ppm; 435 mg/m3 USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants The value in mg/m3 is approximate.	TWA 20.000000 ppm USA. ACGIH Threshold Limit Values (TLV)	Not Established
Methyl methacrylate 80-62-6	PEL 410mg/m3, 100ppm	REL 410 mg/m3, 100 ppm TLV short- term value: 410 mg/m3, 100 ppm Long term value: 205 mg/m3, 50 ppm SEN	Not Established
GLYCOL ETHER EB 111-76-2	TWA 50 ppm 240 mg/m3	TWA 20 ppm	IDLH 700 ppm

TOLUENE 108-88-3	TWA: 200 STEL: 500 CEIL: 300 (ppm)	ACGIH TWA (ppm) 20ppm ACGIH STEL (ppm) 20 ppm	Not Established
---------------------	---------------------------------------	--	-----------------

Recommended Monitoring Procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

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

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Ventilation:

In case of inadequate ventilation wear respiratory protection

Protective Measures:

Hygiene 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.

Eye/face protection: Safety glasses with side shields

Hand Protection: 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. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

For prolonged or repeated handling, use the following type of gloves:
Recommended: butyl rubber May be used: nitrile rubber, Chloroprene

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Respiratory Protection: 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. 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.

Contaminated Gear:

Contaminated work clothing should not be allowed out of the workplace

Section 9- Physical and Chemical Properties

Properties based on formula calculations.

Vapor Density 3.32	Vapor Pressure 18.3 mmHg Boiling Range 56 to 171 °C, 133 to 340 °F
--------------------	---

VOC by Volume 75.68 % Weight Solids 29.40 Total VOC gm/ltr: 398	Specific Gravity (SG) 0.922 Total VOC lb/gal: 3.32
--	---

Section 10- Stability and Reactivity

Stability:

STABLE

Incompatibilities:

No Data Available

Hazardous Decomposition:

No Data Available
Hazardous polymerization will not occur.

Section 11- Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 2,937mg/kg
Inhalation Toxicity LC50: 259mg/L

Component Toxicity

- 1330-20-7 Xylene
Oral LD50: 2,119 mg/kg (RAT) Dermal LD50: 1,700 mg/kg (RABBIT)
- 67-64-1 ACETONE
Oral LD50: 3,000 mg/kg (MOUSE)
- 123-86-4 n-Butyl Acetate
Inhalation LC50: 21 mg/L (RAT)
- 763-69-9 PROPANOIC ACID, 3-ETHYL-, ETHYL ESTER
Oral LD50: 5,000 mg/kg (RAT) Inhalation LC50: 998 ppm (RAT)
- 100-41-4 Ethyl benzene
Oral LD50: 3,500 mg/kg (RAT)
- 80-62-6 Methyl methacrylate
Oral LD50: 4,725 mg/kg (dog) Dermal LD50: 4 g/kg (rabbit)
- 111-76-2 GLYCOL ETHER EB
Oral LD50: 880 mg/kg (RAT) Dermal LD50: 1,060 mg/kg (RABBIT)
- 108-88-3 TOLUENE
Oral LD50: 2,000 mg/kg (RAT) Inhalation LC50: 20 mg/L (RAT)

Routes of Entry:

Inhalation Skin Contact Eye Contact Ingestion

Exposure to this material may affect the following organs:

Blood Eyes Kidneys Liver Lungs Central Nervous System Reproductive System
Skin Cholinesterase Respiratory System

Carcinogen:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
108-88-3	TOLUENE	% - 1.0%	TOLUENE:

Ethyl benzene: IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene) NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

Acute Toxicity:

INHALATION- dizziness, breathing difficulty, headaches, and loss of coordination

EYE CONTACT- severe irritation, tearing, redness and blurred vision

SKIN CONTACT- can dry and defat skin causing cracks, irritation and dermatitis

INGESTION- can cause gastrointestinal irritation, vomiting, nausea, and diarrhea

Pre-existing skin, eye and lung disorders may be aggravated. Personal susceptible to allergenic reaction should refrain from use

Section 12- Ecological Information

Prevent run-off to sewers, streams or other bodies of water. If run off occurs, notify proper authorities that spill has occurred.

Component Ecotoxicity

n-Butyl Acetate	Do not empty into drains
PROPANOIC ACID, 3-ETHYL-, ETHYL ESTER	Ecotoxicity:Not available.
Ethyl benzene	Toxicity to fish flow-through test LC50 - Menidia menidia (Atlantic silverside) - 5.1 mg/l - 96 h; Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia magna (Water flea) - 1.8 - 2.4 mg/l - 48 h; Reproduction Test NOEC - Ceriodaphnia dubia (water flea) - 0.96 mg/l - 7 d; Toxicity to algae static test EC50 - Skeletonema costatum (marine diatom) - 4.9 mg/l - 72 h
Methyl methacrylate	No further relevant information available
GLYCOL ETHER EB	Acute toxicity to fish is very low.
TOLUENE	Ecotoxicity in water (LC50): 313 mg/l 48 hours [Daphnia (daphnia)]. 17 mg/l 24 hours [Fish (Blue Gill)]. 13 mg/l 96 hours [Fish (Blue Gill)]. 56 mg/l 24 hours [Fish (Fathead minnow)]. 34 mg/l 96 hours [Fish (Fathead minnow)]. 56.8 ppm any hours [Fish(Goldfish)].

Section 13- Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Dispose of contaminated material in accordance with Local, State, and Federal Regulations

Section 14- Transport Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint	UN1263	II	3
IATA	Paint	UN1263	II	3
IMDG	Paint	UN1263	II	3

Section 15- Regulatory Information:

Safety, health and environmental regulations/legislation specific for the substance or mixture.:

Section 16- Other Information:

This information is provided without warranty. The information is believed to be correct. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

Date revised: 2019-11-10

Reviewer Revision

Date Prepared: 6/24/2024