

SAFETY DATA SHEET

Revision Date 28-Jul-2016

Version 4

1. IDENTIFICATION

Product identifier

Product Name URO ABSOLUTE Medium Activator

Other means of identification

Product Code BCL-7202-2L
UN/ID no. UN1263
SKU(s) BCL-7202-2L, BCL-7202-8

Recommended use of the chemical and restrictions on use

Recommended Use No information available.
Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Vogel Automotive Coatings
1020 Albany Place SE
Orange City, IA 51041
Phone: 712-737-4993
Fax: 712-737-4997

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|---|-------------|
| Acute toxicity - Oral | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Respiratory sensitization | Category 1 |
| Skin sensitization | Category 1 |
| Germ cell mutagenicity | Category 1B |
| Carcinogenicity | Category 1B |
| Aspiration toxicity | Category 1 |
| Flammable liquids | Category 3 |

Emergency Overview

Danger

Hazard statements

Harmful if swallowed
Harmful if inhaled
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
May be fatal if swallowed and enters airways
Flammable liquid and vapor



Appearance No information available

Physical state liquid

Odor No information available

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 In case of inadequate ventilation wear respiratory protection
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Use explosion-proof electrical/ ventilating/ lighting/ equipment

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
 Rinse mouth
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do NOT induce vomiting
 In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information

- May be harmful in contact with skin
- Causes mild skin irritation
- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Weight-% | Trade Secret |
|---------------|---------|----------|--------------|
|---------------|---------|----------|--------------|

| | | | |
|------------------------------|------------|---------|---|
| Polymeric Isocyanate | 28182-81-2 | 10 - 30 | * |
| Aromatic 100 | 64742-95-6 | 10 - 30 | * |
| Methyl Amyl Ketone | 110-43-0 | 10 - 30 | * |
| Polymeric IPDI | 53880-05-0 | 10 - 30 | * |
| 1,2,4-Trimethylbenzene | 95-63-6 | 5 - 10 | * |
| Butyl Acetate | 123-86-4 | 5 - 10 | * |
| Cumene | 98-82-8 | 0.1 - 1 | * |
| p-Toluenesulfonyl Isocyanate | 4083-64-1 | 0.1 - 1 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

| | |
|---|--|
| General advice | Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). |
| Eye contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. |
| Skin Contact | Wash off immediately with plenty of water. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before reuse. |
| Inhalation | Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. May cause allergic respiratory reaction. |
| Ingestion | Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. |
| Self-protection of the first aider | Remove all sources of ignition. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|--|
| Symptoms | May cause allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|--|
| Note to physicians | Treat symptomatically. Symptoms may be delayed. May cause sensitization by skin contact. May cause sensitization by inhalation and skin contact. |
|---------------------------|--|

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Flammable.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials Incompatible with oxidizing agents. Strong bases. Water. Alcohols. Amines. Copper.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-----------------------------------|-------------------------------|--|--|
| Methyl Amyl Ketone 110-43-0 | TWA: 50 ppm | TWA: 100 ppm TWA: 465 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 465 mg/m ³ | IDLH: 800 ppm TWA: 100 ppm TWA: 465 mg/m ³ |
| 1,2,4-Trimethylbenzene 95-63-6 | - | - | TWA: 25 ppm TWA: 125 mg/m ³ |
| Butyl Acetate 123-86-4 | STEL: 200 ppm TWA: 150 ppm | TWA: 150 ppm TWA: 710 mg/m ³ (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m ³ (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m ³ | IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³ |

| | | | |
|-------------------|-------------|--|--|
| Cumene 98-82-8 | TWA: 50 ppm | TWA: 50 ppm TWA: 245 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 245 mg/m ³ (vacated) S* S* | IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m ³ |
|-------------------|-------------|--|--|

NIOSH IDLH *Immediately Dangerous to Life or Health*

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

- Eye/face protection** Tight sealing safety goggles.
- Skin and body protection** Wear protective gloves and protective clothing.
- Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------------|-----------------------|--------------------------|
| Physical state | liquid | Odor | No information available |
| Appearance | No information available | Odor threshold | No information available |
| Color | No information available | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------|--------------------------|-------------------------|
| pH | No information available | |
| Melting point/freezing point | No information available | |
| Boiling point / boiling range | >= 118 °C / 244 °F | |
| Flash point | 36 °C / 97 °F | |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limit in Air | | |
| Upper flammability limit: | No information available | |
| Lower flammability limit: | No information available | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Specific Gravity | 0.97 | |
| Water solubility | No information available | |
| Solubility in other solvents | No information available | |
| Partition coefficient | No information available | |
| Autoignition temperature | No information available | |
| Decomposition temperature | No information available | |
| Kinematic viscosity | No information available | |
| Dynamic viscosity | No information available | |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |

Other Information

Softening point No information available

| | |
|-----------------------------------|--------------------------|
| Molecular weight | No information available |
| VOC Content (%) | No information available |
| Density | 8.10 lbs/gal |
| Bulk density | No information available |
| Percent solids by weight | 43.8% |
| Percent volatile by weight | 56.2% |
| Percent solids by volume | 36.4% |
| Actual VOC (lbs/gal) | 4.6 |
| Actual VOC (grams/liter) | 545.8 |
| EPA VOC (lbs/gal) | 4.6 |
| EPA VOC (grams/liter) | 545.8 |
| EPA VOC (lb/gal solids) | 12.5 |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Incompatible with oxidizing agents. Strong bases. Water. Alcohols. Amines. Copper.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | No data available |
| Inhalation | May cause sensitization by inhalation. |
| Eye contact | May cause irritation. |
| Skin Contact | May cause irritation. May cause sensitization by skin contact. |
| Ingestion | No data available. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|------------------------------------|--|---|---|
| Polymeric Isocyanate 28182-81-2 | - | - | = 18500 mg/m ³ (Rat) 1 h |
| Aromatic 100 64742-95-6 | = 8400 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | = 3400 ppm (Rat) 4 h |
| Methyl Amyl Ketone 110-43-0 | = 1600 mg/kg (Rat) = 1670 mg/kg (Rat) | = 12.6 mL/kg (Rabbit) = 12600 µL/kg (Rabbit) | > 2000 ppm (Rat) 4 h |
| Polymeric IPDI 53880-05-0 | > 14000 mg/kg (Rat) | - | - |
| 1,2,4-Trimethylbenzene 95-63-6 | = 3280 mg/kg (Rat) | > 3160 mg/kg (Rabbit) | = 18 g/m ³ (Rat) 4 h |
| Butyl Acetate 123-86-4 | = 10768 mg/kg (Rat) | > 17600 mg/kg (Rabbit) | = 390 ppm (Rat) 4 h |
| Cumene 98-82-8 | = 1400 mg/kg (Rat) | = 12300 µL/kg (Rabbit) | = 39000 mg/m ³ (Rat) 4 h > 3577 ppm (Rat) 6 h |

| | | | |
|---|----------------------|---|-----------------------|
| p-Toluenesulfonyl Isocyanate 4083-64-1 | = 2234 mg/kg (Rat) | - | > 640 ppm (Rat) 1 h |
|---|----------------------|---|-----------------------|

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause sensitization by inhalation and skin contact.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|-------------------|-------|----------|------------------------|------|
| Cumene 98-82-8 | - | Group 2B | Reasonably Anticipated | X |

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as a human carcinogen

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic toxicity May cause adverse effects on the bone marrow and blood-forming system.

Target Organ Effects blood, Central nervous system, Eyes, Peripheral Nervous System (PNS), Respiratory system, Skin.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic to aquatic life with long lasting effects

44% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|-----------------------------------|--|---|---|
| Aromatic 100 64742-95-6 | - | 9.22: 96 h Oncorhynchus mykiss mg/L LC50 | 6.14: 48 h Daphnia magna mg/L EC50 |
| Methyl Amyl Ketone 110-43-0 | - | 126 - 137: 96 h Pimephales promelas mg/L LC50 flow-through | - |
| 1,2,4-Trimethylbenzene 95-63-6 | - | 7.19 - 8.28: 96 h Pimephales promelas mg/L LC50 flow-through | 6.14: 48 h Daphnia magna mg/L EC50 |
| Butyl Acetate 123-86-4 | 674.7: 72 h Desmodosmus subspicatus mg/L EC50 | 100: 96 h Lepomis macrochirus mg/L LC50 static 17 - 19: 96 h Pimephales promelas mg/L LC50 flow-through 62: 96 h Leuciscus idus mg/L LC50 static | 72.8: 24 h Daphnia magna mg/L EC50 |
| Cumene 98-82-8 | 2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 | 6.04 - 6.61: 96 h Pimephales promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 2.7: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 5.1: 96 h Poecilia reticulata mg/L LC50 semi-static | 0.6: 48 h Daphnia magna mg/L EC50 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|-----------------------------------|-----------------------|
| Methyl Amyl Ketone 110-43-0 | 1.98 |
| 1,2,4-Trimethylbenzene 95-63-6 | 3.63 |
| Butyl Acetate 123-86-4 | 1.81 |
| Cumene 98-82-8 | 3.55 |

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

US EPA Waste Number D001 U055 U239

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|-------------------|------|--------------------------|------------------------|------------------------|
| Cumene 98-82-8 | - | - | - | U055 |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name | California Hazardous Waste Status |
|---------------------------|-----------------------------------|
| Butyl Acetate 123-86-4 | Toxic |
| Cumene 98-82-8 | Toxic Ignitable |

14. TRANSPORT INFORMATION

DOT

UN/ID no. UN1263
 Proper shipping name Paint Related Material
 Hazard Class 3
 Packing Group III
 Special Provisions B1, B52, IB3, T2, TP1, TP29
 Description UN1263, Paint related material, 3, III,
 Emergency Response Guide Number 128

TDG

UN/ID no. UN1263
 Proper shipping name Paint Related Material
 Hazard Class 3
 Packing Group III
 Description UN1263, Paint related material, 3, III

MEX

UN/ID no. UN1263
 Proper shipping name Paint Related Material
 Hazard Class 3

Packing Group III
Description UN1263, Paint related material, 3, III

ICAO (air)

UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group III
Special Provisions A3, A72
Description UN1263, Paint related material, 3, III

IATA

UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group III
ERG Code 3L
Special Provisions A3, A72
Description UN1263, Paint related material, 3, III

IMDG

UN/ID no. UN1263
Proper shipping name Paint related material
Hazard Class 3
Packing Group III
EmS-No. F-E, S-E
Special Provisions 163, 223, 955
Description UN1263, Paint related material, 3, III

RID

UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group III
Classification code F1
Description UN1263, Paint, 3, III UN1263, Paint related material, 3, III

ADR

UN/ID no. UN1263
Proper shipping name Paint Related Material
Hazard Class 3
Packing Group III
Classification code F1
Tunnel restriction code (D/E)
Special Provisions 163, 640E, 650
Description UN1263, Paint related material, 3, III, (D/E)
Labels 3

ADN

Proper shipping name Paint Related Material
Hazard Class 3
Packing Group III
Classification code F1
Special Provisions 163, 640E, 650
Description UN1263, Paint related material , 3, III
Hazard label(s) 3
Limited quantity (LQ) 5 L
Ventilation VE01

| |
|-----------------------------------|
| 15. REGULATORY INFORMATION |
|-----------------------------------|

International Inventories

TSCA Complies

| | |
|----------------------|-----------------|
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Does not comply |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | SARA 313 - Threshold Values % |
|------------------------|-------------------------------|
| 1,2,4-Trimethylbenzene | 1.0 |

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | No |
| Fire hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Butyl Acetate 123-86-4 | 5000 lb | - | - | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------------------|--------------------------|----------------|--|
| Butyl Acetate 123-86-4 | 5000 lb | - | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| Cumene 98-82-8 | 5000 lb | - | RQ 5000 lb final RQ RQ 2270 kg final RQ |

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

| Chemical Name | California Proposition 65 |
|------------------|---------------------------|
| Cumene - 98-82-8 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts |
|--------------------------------|------------|---------------|
| Methyl Amyl Ketone 110-43-0 | X | X |

