



# SAFETY DATA SHEET

Issue Date 01-Jun-2015

Revision Date 12-Apr-2018

Version 3

## 1. IDENTIFICATION

### Product identifier

**Product Name** UNIGLAZE FAST FLAT CATALYST

### Other means of identification

**Product Code** UGLZ9141

**UN/ID no.** UN1993

**Synonyms** UGLZ914101, UGLZ914103, UGLZ914104, UGLZ914105, UGLZ914107, UGLZ914108, UGLZ914109, UGLZ914110, UGLZ914112, UGLZ914113, UGLZ914114, UGLZ914115, UGLZ914116, UGLZ914117, UGLZ914119, UGLZ914120, UGLZ914121, UGLZ914122, UGLZ914123, UGLZ914133, UGLZ914135, UGLZ914155

### Recommended use of the chemical and restrictions on use

**Recommended Use** Restricted to professional users.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Rutland Group  
10021 Rodney Street  
Pineville, NC 28134  
Tel: 704-553-0046

**E-mail address** product\_safety@rutlandinc.com

### Emergency telephone number

**Emergency Telephone** INFOTRAC 1-352-323-3500



Take precautionary measures against static discharge

#### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Specific measures (see .? on this label)

Specific treatment (see .? on this label)

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

Wash contaminated clothing before reuse

If skin irritation or rash occurs: Get medical advice/attention

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 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)

Not applicable

#### Other Information

May be harmful if swallowed

Causes mild skin irritation

Toxic to aquatic life with long lasting effects

Toxic to aquatic life

Unknown acute toxicity

68.215% of the mixture has not undergone testing for acute toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
POLYAMIDE RESIN	68410-23-1	30 - 60	*
SOLVENT NAPHTHA (PETROLEUM) LIGHT AROMATIC	64742-95-6	10 - 30	*
1,2,4-TRIMETHYLBENZENE	95-63-6	5 - 10	*
CYCLOHEXANONE	108-94-1	3 - 7	*
TRIS-2,4,6-(DIMETHYLAMINOMETHYL)PHENOL	90-72-2	1 - 5	*
CUMENE	98-82-8	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

<b>General advice</b>	Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.
<b>Eye contact</b>	In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Keep victim warm and quiet.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, water spray or regular foam. Water spray, fog or regular foam. Use water spray or fog; do not use straight streams. Move containers from fire area if you can do it without risk.

**Unsuitable extinguishing media** CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Those substances designated with a "P" may polymerize explosively when heated or involved in a fire. Runoff to sewer may create fire or explosion hazard. Substance may be transported hot.

### 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** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

**Other Information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

### Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. See section 12 for additional ecological information.

### Methods and material for containment and cleaning up

**Methods for containment** A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed 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** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1,2,4-TRIMETHYLBENZENE 95-63-6	-	-	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>
CYCLOHEXANONE 108-94-1	STEL: 50 ppm TWA: 20 ppm S*	TWA: 50 ppm TWA: 200 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 100 mg/m <sup>3</sup> (vacated) S*	IDLH: 700 ppm TWA: 25 ppm TWA: 100 mg/m <sup>3</sup>
CUMENE 98-82-8	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 245 mg/m <sup>3</sup> (vacated) S*	IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m <sup>3</sup>

NIOSH IDLH *Immediately Dangerous to Life or Health*

Chemical Name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick OEL
CYCLOHEXANONE 108-94-1	TWA: 20 ppm TWA: 80 mg/m <sup>3</sup> STEL: 50 ppm STEL: 200 mg/m <sup>3</sup> Skin	TWA: 20 ppm STEL: 50 ppm Skin	TWA: 20 ppm STEL: 50 ppm	TWA: 25 ppm TWA: 100 mg/m <sup>3</sup>
CUMENE 98-82-8	TWA: 50 ppm TWA: 246 mg/m <sup>3</sup>	TWA: 25 ppm STEL: 75 ppm	TWA: 50 ppm	TWA: 50 ppm TWA: 246 mg/m <sup>3</sup>

Chemical Name	Newfoundland OEL	Northwest Territories OEL	Nova Scotia OEL	Nunavut OEL
CYCLOHEXANONE 108-94-1	TWA: 20 ppm STEL: 50 ppm	TWA: 20 ppm STEL: 50 ppm	STEL: 50 ppm TWA: 20 ppm	TWA: 20 ppm STEL: 50 ppm
CUMENE 98-82-8	TWA: 50 ppm	TWA: 50 ppm STEL: 74 ppm	TWA: 50 ppm	TWA: 50 ppm STEL: 74 ppm

Chemical Name	Ontario OEL	Prince Edward Island OEL	Quebec OEL	Saskatchewan OEL	Yukon OEL
CYCLOHEXANONE 108-94-1	TWA: 20 ppm STEL: 50 ppm Skin	STEL: 50 ppm TWA: 20 ppm	TWA: 25 ppm TWA: 100 mg/m <sup>3</sup> Skin	TWA: 20 ppm STEL: 50 ppm	STEL: 50 ppm STEL: 200 mg/m <sup>3</sup> TWA: 50 ppm TWA: 200 mg/m <sup>3</sup>
CUMENE 98-82-8	TWA: 50 ppm	TWA: 50 ppm	TWA: 50 ppm TWA: 246 mg/m <sup>3</sup>	TWA: 50 ppm STEL: 74 ppm	STEL: 75 ppm STEL: 365 mg/m <sup>3</sup> TWA: 50 ppm TWA: 245 mg/m <sup>3</sup>

#### 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

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be

required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**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

<b>Physical state</b>	liquid	<b>Odor</b>	Aromatic
<b>Appearance</b>	viscous	<b>Odor threshold</b>	No information available
<b>Color</b>	Natural color		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	7	
<b>Melting point/freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	109 °C / 228 °F	
<b>Flash point</b>	52 °C / 126 °F	CC (closed cup)
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No information available	
<b>Lower flammability limit:</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Specific Gravity</b>	1.02	
<b>Water solubility</b>	No information available	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

### Other Information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content</b>	35 %
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

---

**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**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.



## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	No data available
<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
SOLVENT NAPHTHA (PETROLEUM) LIGHT AROMATIC 64742-95-6	= 8400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 3400 ppm ( Rat ) 4 h
1,2,4-TRIMETHYLBENZENE 95-63-6	= 3280 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h
CYCLOHEXANONE 108-94-1	= 1544 mg/kg ( Rat )	= 947 mg/kg ( Rabbit )	= 8000 ppm ( Rat ) 4 h
TRIS-2,4,6-(DIMETHYLAMINOMET HYL)PHENOL 90-72-2	= 1200 mg/kg ( Rat )	= 1280 mg/kg ( Rat )	-
CUMENE 98-82-8	= 1400 mg/kg ( Rat )	= 12300 µL/kg ( Rabbit )	> 3577 ppm ( Rat ) 6 h = 39000 mg/m <sup>3</sup> ( Rat ) 4 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** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
CYCLOHEXANONE 108-94-1	A3	Group 3	-	-
CUMENE 98-82-8	-	Group 2B	Reasonably Anticipated	X

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A3 - Animal Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 2B - Possibly Carcinogenic to Humans*

*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. May cause adverse liver effects.  
**Target Organ Effects** blood, Central nervous system, Eyes, kidney, liver, 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 .

<b>ATEmix (oral)</b>	3642 mg/kg
<b>ATEmix (dermal)</b>	1876 mg/kg
<b>ATEmix (inhalation-gas)</b>	No information available

ATEmix (inhalation-dust/mist) 3.7 mg/l  
 ATEmix (inhalation-vapor) No information available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

69.565 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging**

Do not reuse container.

**US EPA Waste Number**

D001 U055 U057 U239

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
CYCLOHEXANONE 108-94-1	-	Included in waste stream: F039	-	U057
XYLENE 1330-20-7	-	Included in waste stream: F039	-	U239
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
CUMENE 98-82-8	Toxic Ignitable

<b>14. TRANSPORT INFORMATION</b>
----------------------------------

**DOT**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Combustible liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Special Provisions</b>	B1, B52, IB3, T4, TP1, TP29
<b>Description</b>	UN1993, Combustible liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, CYCLOHEXANONE), 3, III,
<b>Emergency Response Guide Number</b>	128

**TDG**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, CYCLOHEXANONE), 3, III,

**MEX**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, CYCLOHEXANONE), 3, III

**ICAO (air)**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Special Provisions</b>	A3
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, CYCLOHEXANONE), 3, III

**IATA**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>ERG Code</b>	3L
<b>Special Provisions</b>	A3

**IMDG**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>EmS-No.</b>	F-E, S-E
<b>Special Provisions</b>	223, 274, 955

**RID**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, CYCLOHEXANONE), 3,

III

**ADR**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Tunnel restriction code</b>	(D/E)
<b>Special Provisions</b>	274, 601, 640E
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, CYCLOHEXANONE), 3, III, (D/E)
<b>Labels</b>	3

**ADN**

<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Special Provisions</b>	274, 601, 640E
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, CYCLOHEXANONE), 3, III
<b>Hazard label(s)</b>	3
<b>Limited quantity (LQ)</b>	5 L
<b>Ventilation</b>	VE01

<b>15. REGULATORY INFORMATION</b>
-----------------------------------

<b><u>International Inventories</u></b>	<b>On Inventory (Yes/No)</b>
-----------------------------------------	------------------------------

<b>TSCA</b>	Yes
<b>DSL/NDSL</b>	No
<b>EINECS/ELINCS</b>	Yes
<b>ENCS</b>	No
<b>IECSC</b>	Yes
<b>KECL</b>	No
<b>PICCS</b>	Yes
<b>AICS</b>	No

**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 - 95-63-6	1.0

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	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)

**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)
CYCLOHEXANONE 108-94-1	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	Pennsylvania
SILICON DIOXIDE	-	X	X

7631-86-9			
1,2,4-TRIMETHYLBENZENE 95-63-6	X	X	X
CYCLOHEXANONE 108-94-1	X	X	X
XYLENE 1330-20-7	X	X	X
TRIETHYLENETETRAMINE 112-24-3	X	X	X
CUMENE 98-82-8	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health hazards 2	Flammability 2	Instability 0	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 2	Flammability 2	Physical hazards 0	Personal protection X

Issue Date 01-Jun-2015

Revision Date 12-Apr-2018

Revision Note

SDS sections updated 3

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**