



SAFETY DATA SHEET

Issue Date: 09/25/2015
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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CLARITY Glass Cleaner
PRODUCT NUMBER: 891.333
PRODUCT USE: Glass Cleaner
MANUFACTURED FOR: Winzer Corporation
4060 E. Plano Parkway
Plano, TX 75074
COMPANY PHONE NUMBER: 800-527-4126
24 HOUR EMERGENCY: INFOTRAC 1-800-535-5053 (USA & Canada)

SECTION 2 – HAZARD(S) IDENTIFICATION

CLASSIFICATION:
Liquefied Gas - Category 2

SIGNAL WORD:
Warning

HAZARD STATEMENT(S):
Contains gas under pressure; May explode if heated.

PICTOGRAM SYMBOL(S):



PRECAUTIONARY STATEMENTS: Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. Store in a well-ventilated place.

HAZARDS NOT OTHERWISE CLASSIFIED: N/A.

POTENTIAL HEALTH EFFECTS:

CARCINOGENICITY:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: Confirmed animal carcinogen with unknown relevance to humans.
Ethanol (64-17-5)

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.

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.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/ MIXTURE: Mixture



HAZARDOUS INGREDIENT	CAS #	WEIGHT %
Butane	106-97-8	1-5
1-propoxypropan-2-ol	1569-01-3	1-5
Ethanol	64-17-5	1-5

SECTION 4 – FIRST AID MEASURES**FIRST AID:**

GENERAL: Do not leave the victim unattended.

EYES: Remove contact lenses. Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

INGESTION: Keep respiratory tract clear. Do NOT induce vomiting unless directed by physician or poison control center. Immediately rinse mouth with water. Seek medical attention if irritation persists.

INHALATION: If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

SKIN: Wash off immediately with plenty of water for at least 15 minutes. If on clothes, remove clothes. If skin irritation persists, call a physician.

SECTION 5 – FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Dry chemical, Carbon Dioxide (CO₂). Foam.

UNSUITABLE EXTINGUISHING MEDIA: High volume water jet.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH-approved Self-Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Dioxide (CO₂), Carbon Monoxide (CO), smoke

SPECIFIC EXTINGUISHING METHODS: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

FURTHER INFORMATION: Standard procedure for chemical fires.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up or vacuum up spillage and collect in suitable container for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7 – HANDLING AND STORAGE

ADVICE ON SAFE HANDLING: Avoid contact with skin and eyes. For personal protection see Section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Do not breathe vapors or spray mist. Always replace cap after use.

CONDITIONS FOR SAFE STORAGE: BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50°C/122°F. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot

objects. Observe label precautions. Electrical installations/working materials must comply with the technological safety standards. Keep in a dry, cool and well-ventilated place.

MATERIALS TO AVOID: Oxidizing agents.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

Product Name/Hazardous Ingredient	CAS	Value Type	Control Parameters	Exposure Limits
Butane	106-97-8	TWA	800 ppm	NIOSH REL
			1,900 mg/m ³	
		TWA	800 ppm	OSHA P0
Ethanol	64-17-5		1,900 mg/m ³	
		TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm	
			1,900 mg/m ³	NIOSH REL
		TWA	1,000 ppm	
			1,900 mg/m ³	OSHA Z-1
		TWA	1,000 ppm	
			1,900 mg/m ³	OSHA P0
		TWA	1,000 ppm	

ENGINEERING CONTROLS / VENTILATION: Ambient ventilation suitable, forced ventilation should not be required

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: In case of insufficient ventilation, wear suitable respiratory equipment.

HAND PROTECTION REMARKS: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

EYE PROTECTION: Face-shield, Safety glasses.

SKIN AND BODY PROTECTION: impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

HYGIENE MEASURES: When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White Foam	RELATIVE VAPOR DENSITY (AIR=1): No data available.
ODOR: Characteristic.	EVAPORATION RATE: < 1
ODOR THRESHOLD: No data available.	SPECIFIC GRAVITY (H ₂ O=1): 0.99 g.cm ³
MELTING/ FREEZING POINT: No data available.	pH: No data available.
BOILING POINT: No data available.	SOLUBILITY IN WATER: Soluble.
FLAMMABILITY: Not Flammable.	PARTITION COEFFICIENT: n-OCTANOL/WATER
FLASH POINT: N/A.	(KOW): No data available.
AUTOIGNITION TEMPERATURE: N/D.	THERMAL DECOMPOSITION:
LOWER FLAMMABILITY LIMIT: No data available.	VISCOSITY: N/A
UPPER FLAMMABILITY LIMIT: No data available.	VISCOSITY, KINEMATIC: No data available
VAPOR PRESSURE (mm Hg): No data available.	HEAT OF COMBUSTION: 3.07 kJ/g

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY: Stable.

CHEMICAL STABILITY: Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No decomposition if stored and applied as directed.

CONDITIONS TO AVOID: Heat, flames and sparks.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide (CO₂), Carbon Monoxide (CO), Nitrogen oxides (NO_x)

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

COMPONENTS:

Butane:

ACUTE INHALATION TOXICITY:

LC50 mouse: 1,237 mg/l

Exposure time: 2 h

LC50 rat: 1,355 mg/l

Ethanol:

ACUTE ORAL TOXICITY:

LD50 Oral rat: 7,060 mg/kg

ACUTE INHALATION TOXICITY:

LC50 rat: 124.7 mg/l

Exposure time: 4 h

SKIN CORROSION/IRRITATION:

PRODUCT:

Remarks: May cause skin irritation and/or dermatitis.

SERIOUS EYE DAMAGE/EYE IRRITATION:

PRODUCT:

Remarks: Vapors may cause irritation to the eyes, respiratory system and the skin.

RESPIRATORY OR SKIN SENSITIZATION: No data available.

GERM CELL MUTAGENICITY: No data available.

CARCINOGENICITY: No data available.

REPRODUCTIVE TOXICITY: No data available.

Butane:

1-propoxypropan-2-ol:

Ethanol:

STOT - SINGLE EXPOSURE: No data available.

STOT - REPEATED EXPOSURE: No data available.

ASPIRATION TOXICITY: No data available.

FURTHER INFORMATION:

PRODUCT:

Remarks: No data available

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.

PERSISTENCE AND DEGRADABILITY: No data available.

BIOACCUMULATIVE POTENTIAL**PRODUCT:**

Partition coefficient: n-octanol/water: Remarks: No data available

COMPONENTS: Butane:

Partition coefficient: n-octanol/water: Pow: 2.89

MOBILITY IN SOIL: No data available.

OTHER ADVERSE EFFECTS: No data available.

PRODUCT:

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances.

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

ADDITIONAL ECOLOGICAL INFORMATION: No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS**DISPOSAL METHODS:**

WASTE FROM RESIDUES: Dispose of in accordance with local regulations.

CONTAMINATED PACKAGING: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on the empty drum.

SECTION 14 - TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Aerosols, Non-Flammable

HAZARD CLASS/DIVISION: 2.2

UN/NA NUMBER: UN1950

PACKAGING GROUP: N/A

AIR SHIPMENT (IATA/ICAO):

PROPER SHIPPING NAME: Aerosols, Non-Flammable

HAZARD CLASS/DIVISION: 2.2

UN/NA NUMBER: UN1950

SHIPPING BY WATER: VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Non-Flammable

HAZARD CLASS/DIVISION: 2.2

UN/NA NUMBER: UN1950

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION 15 - REGULATORY INFORMATION**U.S. FEDERAL REGULATIONS:**

TSCA STATUS: All Chemicals are listed or exempt.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity:

Components	CAS	Component RQ (lbs)	Calculated product RQ (lbs)
2, 2'-iminodiethanol	111-42-2	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Sudden Release of Pressure Hazard

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

U.S. STATE REGULATIONS:

California Prop 65: WARNING! This product contains a chemical known to the State of California to cause cancer.
2, 2'-iminodiethanol (111-42-2)

INTERNATIONAL INVENTORIES: The components of this product are reported in the following inventories:

TSCA	On TSCA Inventory
DSL	This product contains one or several components that are not on the Canadian DSL nor NDSL.
AICS	Not in compliance with the inventory
NZIoC	Not in compliance with the inventory
PICCS	Not in compliance with the inventory
IECSC	Not in compliance with the inventory

Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA).

NFPA HEALTH:	3	HMIS HEALTH:	3
NFPA FLAMMABILITY:	0	HMIS FLAMMABILITY:	0
NFPA REACTIVITY:	0	HMIS REACTIVITY:	2
NFPA OTHER:	None	HMIS PROTECTION:	B

SECTION 16 - OTHER INFORMATION

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N/A = Not Applicable; N/D = Not Determined.

Prepared by: Regulatory Affairs.

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