



**INNOVATIVE
CHEMICAL
CORPORATION**

7769 95th Street South
Cottage Grove, MN 55016

SAFETY DATA SHEET

Revision Date: 9/22/2016
Emergency Phone: 1-800-535-5053 (Infotrac)

Section 1: Identification

Product Name: Fog Free Glass Cleaner

Code: 98PFF00

Chemical Type: Liquid

Manufacturer/Supplier:

Innovative Chemical Corporation
7769 95th Street South
Cottage Grove, MN 55016
651-649-1762

Section 2: Hazard(s) Identification

OSHA/HCS status

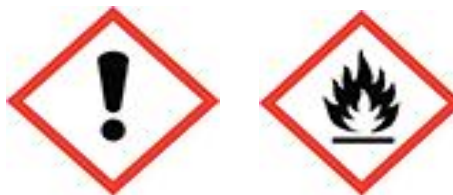
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Not classified
Acute toxicity - Dermal	Not classified
Skin corrosion/irritation	Category 3
Serious eye damage/eye irritation	Category 2
Flammable liquids	Category 3

Label elements

Signal word: Warning

Hazard statements: Causes mild skin irritation
Causes serious eye irritation
Flammable liquid and vapor



Precautionary Statements

Prevention: Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Response: Immediately call a poison center or doctor/physician. For specific treatment, see section 4 of the SDS. 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 advice/attention. If skin irritation occurs: get medical advice/attention. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use CO2, dry chemical, or foam for extinction.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose in accordance with local, state and federal guidelines.

Hazards not otherwise classified: Unknown acute toxicity. 0.00126% of the mixture consists of ingredient(s) of unknown toxicity.

Other Information: Not Applicable.

Section 3: Composition/Information on Ingredients

Substance or mixture: Mixture

Other means of identification: Not available.

CAS number/other identifiers

CAS number: Not applicable.

Hazardous Components		
Chemical Name	%weight	CAS
2-Propanol	7-13	67-63-0
2-butoxyethanol	1-5	111-76-2
Trisodium nitrilotriacetate	<0.1	5064-31-3
Sodium Hydroxide	<0.1	1310-73-2

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 concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational limits, if available are listed in Section 8.

Section 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.
Eyes	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Inhalation	Remove to fresh air.
Skin	Wash off immediately with plenty of water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Indication of any immediate medical attention needed

Notes to Physician	Treat symptomatically.
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See toxicological information (Section 11)

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical	No information available.

Hazardous thermal decomposition products	No information available.
Protective equipment and precautions for fire-fighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Accidental Spill or Leak	Prevent further leakage or spillage if safe to do so. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel. Acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.
Personal Protection in Case of a Spill	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

Section 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.
Storage Conditions:	Keep tightly closed in a dry and cool place. Keep in properly labeled containers.

Section 8: Exposure Controls/Personal Protection

Control parameters

Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Propanol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m3 (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m3 (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m3	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m3 STEL: 500 ppm STEL: 1225 mg/m3
2-butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m3 (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m3 (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m3
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m3	TWA: 2 mg/m3 (vacated) Ceiling: 2 mg/m3	IDLH: 10 mg/m3 Ceiling: 2 mg/m3

Appropriate engineering controls	Showers, eyewash stations & Ventilation systems.
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Individual protection measures

Hygiene measures	When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.
Respiratory	Ensure adequate ventilation, especially in confined areas. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators or air purifying respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Eyes/Face	Tight sealing safety goggles.
Skin/Body	Prolonged or repeated contact may be drying to skin. Rubber gloves if prolonged contact is involved.

Section 9: Physical and Chemical Properties

Physical state	Liquid
Color	Blue
Odor	None Added
Odor threshold	Not available
pH	10
Melting Point	Not available
Boiling Point	<212° F
Flash Point	(94° F) 34° C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower and upper explosive (flammable) limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility	Complete
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
Viscosity	< 25 cP @ 25° C

Section 10: Stability and Reactivity

Chemical stability:	Stable under normal conditions.
Conditions to avoid:	Heat, flames and sparks
Incompatible materials:	None known based on information supplied.

Hazardous decomposition products: None known based on information supplied.

Section 11: Toxicological Information

Routes of Entry

Inhalation, ingestion, in contact with eyes and skin.

Acute Effects on Humans

Eyes	Avoid contact with eyes. Severely irritating to eyes.
Skin	Avoid contact with skin. Prolonged or repeated contact may dry skin and cause irritation. Prolonged contact with skin may result in the absorption of potentially harmful amounts leading to possible liver and kidney damage.
Inhalation	Avoid breathing vapors or mists. Breathing of vapors may cause dizziness and shortness of breath. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	Do not taste or swallow. May cause gastro intestinal irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Propanol 67-63-0	=1870 mg/kg (Rat)	=4059 mg/kg (Rabbit)	=72600 mg/m3 (Rat) 4h
2-butoxyethanol 111-76-2	=470 mg/kg (Rat)	=99 mg/kg (Rabbit)	=450 ppm (Rat) 4h
Trisodium nitrilotriacetate 5064-31-3	=1100 mg/kg (Rat)	-	> 5 mg/L (Rat) 4h
Sodium Hydroxide 1310-73-2	-	=1350 mg/kg (Rabbit)	-

Information on toxicological effects

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	This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B). The table below indicated whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Propanol 67-63-0	-	Group 3	-	X
2-butoxyethanol 111-76-2	A3	Group 3	-	-
Trisodium nitrilotriacetate 5064-31-3	-	Group 3	-	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 - Not classifiable as 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, hematopoietic system, Kidney, Liver, Respiratory system, Skin.
Aspiration hazard	No information available

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0.00126% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	9,512.00
ATEmix (dermal)	21,229.00
ATEmix (inhalation-dust/mist)	70.7
ATEmix (inhalation-vapor)	24,064.00

Section 12: Ecological information**Ecotoxicity**

0.00126% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2-Propanol 67-63-0	1000: 96h Desmodesmus subspicatus mg/L EC50 1000: 72h Desmodesmus subspicatus mg/L EC50	1400000: 96h Lepomis macrochirus µg/L LC50 static 9640: 96h Pimephales promelas mg/L LC50 flow-through	13299: 48h Daphnia magna mg/L EC50
2-butoxyethanol 111-76-2	-	1490: 96h Lepomis macrochirus mg/L LC50 static 2950: 96h Lepomis mg/L LC50	1000: 48h Daphnia magna mg/L EC50 1698-1940: 24h Daphnia magna mg/L EC50
Nonylphenol Ethoxylate 9016-45-9	-	5: 96h Fish mg/L LC50	-
Tetrasodium EDTA 64-02-8	1.01: 72h Desmodesmus subspicatus mg/L EC50	59.8: 96h Pimephales promelas mg/L LC50 static 41: 96h Lepomis macrochirus mg/L LC50 static	610: 24h Daphnia magna mg/L EC50
Sodium Hydroxide 1310-73-2	-	45.4: 96h Oncorhynchus mykiss mg/L LC50 static	-

Trisodium nitrilotriacetate 5064-31-3	560-1000: 96h Chlorella vulgaris mg/L EC50	72-133: 96h Oncorhynchus mykiss mg/L LC50 static 175-225: 96h Lepomis macrochirus mg/L LC50 static 252: 96h Lepomis macrochirus mg/L LC50 470: 96h Pimephales promelas mg/L LC50 static 98-170: 96h Pimephales promelas mg/L LC50 flow-through 560-1000: 96h Poecilia reticulata mg/L LC50 semi-static 560-1000: 96h Poecilia reticulata mg/L LC50 114: 96h Pimephales promelas mg/L LC50 560-1000: 96h Oryzias latipes mg/L LC50 560-1000: 96h Oryzias latipes mg/L LC50 semi-static	560-1000: 48h Daphnia magna mg/L LC50
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Persistence and degradability

No information available

Bioaccumulation

Bioaccumulative potential.

Chemical Name	Partition coefficient
2-Propanol 67-63-0	0.05
2-butoxyethanol 111-76-2	0.81

Other adverse effects

Not available.

Section 13: Disposal considerations

Waste Information

Dispose of spilled material in accordance with federal, state and local regulations. Waste from normal cleaning procedures may be sewered, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.

Contaminated Packaging

Do no reuse container

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
2-Propanol 67-63-0	Toxic Ignitable
Sodium Hydroxide 1310-73-2	Toxic Corrosive

Section 14: Transport information

Regulatory info	UN number	Proper shipping name	Classes	PG	Special Provisions
DOT Classification	UN1993	Flammable liquids, nos	3	III	B1, B52, IB3, T4, TP1, TP29
TDG Classification	UN1993	Flammable liquids, nos	3	III	

According to Exceptions for Class 3 (flammable and combustible liquids), this product may be reclassified as combustible liquid, see 49CFR173.150(e)(1) and (2).

Section 15: Regulatory information

International Inventories

TSCA	Complies
DSL/NDSL	Complies

Legend:

TSCA United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL Canadian Domestic Substances List/Non-Domestic Substances List

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 %
2-Propanol - 67-63-0	1.0
2-butoxyethanol - 111-76-2	1.0

SARA 311/312 Hazard Categories

Acute health hazard	No
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
Sodium Hydroxide 1310-73-2	1000 lb	-	-	X

US State Regulations

California Proposition 65

WARNING: This product contains a chemical known to the state of California to cause cancer.

Chemical Names

Nitrilotriacetic acid, Trisodium salt

US State Right-to-know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-Propanol 67-63-0	X	X	X
2-butoxyethanol 111-76-2	X	X	X
Sodium Hydroxide 1310-73-2	X	X	X
Trisodium nitrilotriacetate 5064-31-3	-	X	-

US EPA Label Information

EPA Pesticide Registration Number

Not Applicable

Section 16: Other information

Hazardous Material

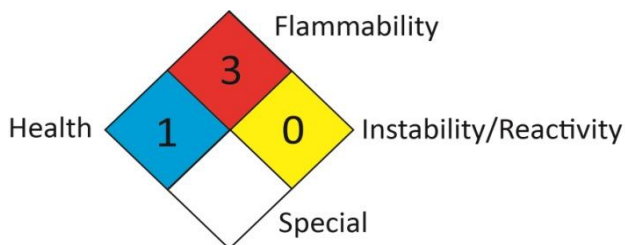
Information System (U.S.A.):

Health	1
Flammability	3
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection
Association:



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Notice to reader

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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