

BLINK GLASS & SURFACE CLEANER

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Blink Glass & Surface Cleaner
 Product Type: Concentrated glass cleaner

Product Number: 341DTC

Manufacturer Address:

Amano Pioneer Eclipse Corporation
 P.O. Box 909
 1 Eclipse Road
 Sparta, NC 28675

Contact Information:

Telephone: 1-336-372-8080
 Email: msds@pioneer-eclipse.com
 Internet: www.pioneer-eclipse.com

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night. Within USA and Canada 1-800-424-9300. Outside USA and Canada +1 703 527 3887 (collect calls accepted)

2: HAZARDS IDENTIFICATION

OSHA status: Hazardous
 Warning! Combustible Liquid. May cause skin and eye irritation. Keep away from heat, sparks and flame. Avoid contact with skin and eyes. Avoid breathing vapor. Use only in adequate ventilation. Keep container tightly closed.

Precautions: heat, sparks and flame. Avoid contact with skin and eyes. Avoid breathing vapor. Use only in adequate ventilation. Keep container tightly closed.

Potential Health Effects:

Eye Contact: Slightly irritating to eyes.

Skin Contact: Slightly irritating to skin upon repeated or prolonged contact.

Inhalation: Spray mist can cause irritation to nose, throat and lungs.

Ingestion: May cause irritation to mouth, esophagus and stomach.

Health: 2
 Flammability: 3
 Reactivity: 0

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight %
Isopropanol	67-63-0	3 - 7

4: FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, seek medical attention.

Skin Contact: Wash affected areas with soap and plenty of water. If irritation persists, seek medical attention.

Inhalation: If inhaled, remove to fresh air. If symptoms persist, seek medical attention.

Ingestion: Do NOT induce vomiting! Seek medical attention immediately.

5: FIRE FIGHTING MEASURES

Extinguishing Media: Dry chemical, water spray, foam, carbon dioxide

Special Fire Fighting Procedures: None

Hazardous Combustible Products: None

Unusual Fire and Explosion Hazards: Materials can splatter above 100°C/212°F.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Eliminate all ignition sources. Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.

Environmental Precautions: Keep spills and cleaning run-off out of sewers and open bodies of water.

Containment and Clean-Up

Small Spills: Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.

Large Spills: Use water-spray to disperse vapors and dilute spill to non-flammable mixture. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.

Waste Disposal: Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

7: HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapors or mists.

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Storage: Storage temperature (Max. 60°C/140°F - Min. 1°C/34°F). Keep away from heat, sparks, flame and other sources of ignition.

Other information: Keep from freezing. Keep container closed when not in use. Keep out of reach of children.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
isopropanol	67-63-0	200 ppm	400 ppm	400 ppm	N/L

Engineering Controls: Ensure adequate general ventilation.

Personal Protective Equipment (PPE)

Eye/Face Protection: Safety glasses recommended.

Skin Protection: Rubber gloves recommended.

Respiratory Protection: None required when permissible airborne concentrations are not exceeded. In an emergency, use approved positive pressure self-contained breathing device.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: blue liquid	Odor: slight odor
Odor Threshold: N/E	pH: 6
Freezing Point: 32°F / 0°C	Boiling Point: 212 °F / 100 °C
Flash Point: 105 °F / 40 °C	Evaporation Rate: less than water
Flammability: Combustible Liquid	Upper/Lower Flammability limits: N/E
Vapor Pressure: less than water	Vapor Density: greater than air
Relative Density: 8.3 lb/gal @ 68°F / 1.0 kg/L @ 20 °C	Solubility: miscible in water
Partition Coefficient (n-octanol/water): N/E	Auto Ignition temperature: N/E
Decomposition Temperature: N/E	Volatile by Weight: 89%
Viscosity: <10 centipoise @ 68°F / 20°C	VOC: 5%

10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Hazardous reactions: None expected

Conditions to avoid: None known

Incompatible materials: Strong acids and bases

Hazardous decomposition products: None known

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not determined on product.

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC ₅₀ Inhalation-Rat (mg/l)	Carcinogenicity	CA - Prop 65
isopropanol	4,396	12870	72.6 (4 hr)	IARC-3	N/L

LOCAL EFFECTS

Skin contact: May cause skin irritation

Eye contact: May cause eye irritation

Sensitization: None expected

Chronic effects: None expected

SPECIFIC EFFECTS

Carcinogenicity: None known

Reproductive effects: None known

Teratogenicity: None known

Mutagenicity: None known

12: ECOLOGICAL INFORMATION

Ecological testing has not been completed on the mixture.

13: DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, regional and national regulations.

14: TRANSPORT INFORMATION

Ground shipments only: (reclassified as Combustible Liquid, not regulated for transport)

Proper Shipping Name: Combustible Liquid, n.o.s. (Isopropanol)

UN Number: NA1993

Hazard Class: Comb Liq

Packing Group: III

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For air and vessel shipments:

Proper Shipping Name: Flammable Liquid, n.o.s. (Isopropanol)

Hazard Class: 3

UN Number: UN1993

Packing Group: III

Package volumes <60L each shipped under Limited Quantity Exception; as permitted for Hazard Class and Qty Limits.

15: REGULATORY INFORMATION

U.S. Regulations/Reporting

Ingredient	CAS Number	SARA 302/304	SARA 311/312	SARA 313	CERCLA
isopropanol	67-63-0	N/L	N/L	1% *	N/L

*- de minimus concentration (strong acid process only)

State Right to Know Status:

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
isopropanol	67-63-0	present	present	present	present

Canada Regulations/Reporting

WHMIS Hazard Symbol:  

WHMIS hazard class: B3 D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Ingredients required for disclosure:

Ingredient	CAS Number	Weight %	Classification
isopropanol	67-63-0	>1%	B2, D2B

16: OTHER INFORMATION

Product intended for commercial and industrial use only.

Abbreviations Used:

N/E - Not Established

N/A - Not applicable

N/L - Not Listed

Revision History:

09/19/2011- new issue

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This MSDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

****IMPORTANT SAFETY INFORMATION**DO NOT DISCARD**PLEASE ROUTE TO COMPANY SAFETY OFFICER****