

**SAFETY DATA SHEET**

Conforms to 1907/2006/EC - (EU) 2015/830

Issued: May 26, 2016

**ECLIPSE GLASS CLEANER RTU****1. IDENTIFICATION OF THE MIXTURE (PREPARATION) AND OF THE COMPANY/UNDERTAKING****1.1 PRODUCT IDENTIFIER**

Product Name: Eclipse Glass Cleaner - Ready to Use

Product Number: 352RT6

**1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST**

Product intended for commercial and industrial use only.

Intended Use: Ready to use water-based glass and multi-surface cleaner

Uses Advised Against: Other than per labelled instructions.

**1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**

Amano Pioneer Eclipse Corporation

P.O. Box 909

1 Eclipse Road

Sparta, NC 28675 / USA

Telephone: +1-336-372-8080

Email: sds@pioneereclipse.com

Internet: www.pioneereclipse.com

**1.4 EMERGENCY TELEPHONE NUMBER****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****2.1 CLASSIFICATION OF THE MIXTURE (PREPARATION)****2.1.1** This mixture has been classified according to EC 1272/2008.

CLP Classification: Not classified as hazardous

**2.2 LABEL ELEMENTS**

Signal Word: None

Hazard pictogram(s): None

Hazard Statement(s): None

EUH Statement(s): EUH210 - Safety data sheet available on request.

Precautionary Statement(s): None

**2.3 OTHER HAZARDS**

No other hazards are known to the supplier

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1/3.2 SUBSTANCES/MIXTURES**

Ingredient	EC No.	Weight %	CAS No.	EC Index No.	REACH No.	CLP Classification	
						Hazard Class	Hazard Statement(s) *
propan-2-ol, isopropyl alcohol, isopropanol	200-661-7	5-10	67-63-0	603-117-00-0	01-2119457558-25	Flam Liq. 2 Eye Irrit. 2 STOT SE 3	H225, H319, H336

\*See section 16 for the full text of (EU) Hazard Statements

**4. FIRST AID MEASURES****4.1 DESCRIPTION OF FIRST AID MEASURES****Eye Contact:** In case of eye contact, immediately rinse with clean water for 10-15 minutes. Seek medical advice if irritation persists.**Skin Contact:** Wash with plenty of soap and water. If irritation develops, seek medical attention.



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**Inhalation:** Not expected to require first aid measures. If breathing is difficult: Remove subject to fresh air.  
**Ingestion:** Rinse mouth and drink water. DO NOT induce vomiting unless directed to do so by medical personnel. Call a physician or poison control center immediately and show bottle or label.

#### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

**Eye Contact:** May cause slight irritation and redness.  
**Skin Contact:** Not expected to present a significant skin hazard. Contact during extended period of time may cause mild irritation.  
**Inhalation:** None expected under normal use.  
**Ingestion:** May cause irritation to mouth, throat and stomach.

#### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

#### 5.1 EXTINGUISHING MEDIA

Dry chemical, water spray, foam, and carbon dioxide.

#### 5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

Hazardous combustion products: None

#### 5.3 ADVICE FOR FIRE FIGHTERS

Unusual fire and explosion hazards: Materials can splatter above 100°C/212°F.  
Special firefighting procedures: No special firefighting procedures recommended.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Material may present a serious slipping hazard if spilled on a hard surface.

#### 6.2 ENVIRONMENTAL PRECAUTIONS

Keep spills and cleaning runoff out of sewers and public waters.

#### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Small spills: Absorb spill on inert material (e.g. sand, earth) and dispose of as waste material in accordance with national and regional provisions.

Large spills: Keep spectators away. Floors may be slippery; use care to avoid falling. Neutralize spill area. 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.

#### 6.4 REFERENCE TO OTHER SECTIONS:

Refer to Section 8 of the SDS - Personal precautions  
Refer to Section 7 of the SDS - Precautions in handling and storage  
Refer to Section 13 of the SDS - Waste disposal recommendations

### 7. HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes and skin. Wash thoroughly after handling. Use in well-ventilated areas.

#### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

#### 7.3 SPECIFIC END USE(S):

No information available.



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 CONTROL PARAMETERS

The product itself is not tested on occupational exposure limits. If the product contains substances with occupational exposure limits, these are listed here. No listing means that the product does not contain any substances with occupational exposure limits.

Ingredient: propan-2-ol, isopropyl alcohol, isopropanol (67-3-0)	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	888 mg/kg bodyweight/day
Long-term -systemic effects, inhalation	500 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	89 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	140.9 mg/l
PNEC aqua (marine water)	140.9 mg/l
PNEC aqua (intermittent, freshwater)	140.9 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	552 mg/kg dwt
PNEC sediment (marine water)	552 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	552 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	2251 mg/l

#### 8.2 EXPOSURE CONTROLS

Engineering Controls: Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

Environmental exposure controls: No specific environmental exposure controls known.

Personal Protective Equipment (PPE)

Eye/Face Protection: Under normal use not required. In case of calamity: wear safety glasses or goggles (EN166).

Hand Protection: Chemical resistant gloves are recommended (EN 374).  
Protective gloves should be selected according to the application and duration of use. Workplace selection should take into consideration handling requirements, physical requirements and exposure to other substances.

Skin Protection: If major exposure is possible, wear suitable protection such as rubber boots, apron, etc.

Respiratory Protection: Not required under normal use.

Other information: Do not eat, drink, or smoke when using this product. Avoid contact with skin and eyes.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear, blue liquid  
Odor: lemon  
Odor Threshold: 25.704 mg/m<sup>3</sup> propan-2-ol, isopropyl alcohol, isopropanol  
pH: 10-11  
Melting Point/Freezing Point: ± -5 °C



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Initial boiling point/boiling range:	± 95 °C
Flash Point:	> 41 °C
Evaporation Rate:	0.64
Flammability (solid, gas)	Not applicable to liquids
Upper/lower flammability/explosive limits:	No test data available
Vapor Pressure:	24.8 hPa
Vapor Density:	No test data available
Relative Density:	± 0.99 g/cm <sup>3</sup>
Solubility:	miscible in water
Partition Coefficient (n-octanol/water):	-1.1 (calculated value)
Auto Ignition temperature:	No test data available
Decomposition Temperature:	No test data available
Viscosity:	< 10 mPa.s
Explosive Properties:	No test data available
Oxidizing properties:	No test data available

### 9.2 OTHER INFORMATION

VOC:	< 30 %
Upper / lower explosive limits:	propan-2-ol, isopropyl alcohol, isopropanol: 12% / 2%
Additional information:	The product itself does not maintain combustion.

## 10. STABILITY AND REACTIVITY

10.1 REACTIVITY:	Stable under normal conditions.
10.2 CHEMICAL STABILITY:	Stable under normal conditions.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS:	None known
10.4 CONDITIONS TO AVOID:	None known
10.5 INCOMPATIBLE MATERIALS:	None known
10.6 HAZARDOUS DECOMPOSITION PRODUCTS:	None known

## 11. TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

<b>ACUTE TOXICITY:</b>	Toxicity testing has not been completed on the mixture. Based on criteria 3.1.3 from (EC) 1272/2008, the classification criteria are not met and this product is not toxic. Toxic components are mentioned in section 3.
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propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
LD50 oral rat	5840 mg/kg
LD50 oral	4396 mg/kg bodyweight
LD50 dermal rabbit	13000 mg/kg
LD50 dermal	12800 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	46600 mg/m <sup>3</sup>

<b>SKIN CORROSION/IRRITATION:</b>	Based on available data, the classification criteria are not met.
<b>SERIOUS EYE DAMAGE/IRRITATION:</b>	Based on available data, the classification criteria are not met.
<b>RESPIRATORY OR SKIN SENSITIZATION:</b>	Based on available data, the classification criteria are not met.
<b>GERM CELL MUTAGENICITY:</b>	Based on available data, the classification criteria are not met.
<b>CARCINOGENICITY:</b>	Based on available data, the classification criteria are not met.
<b>REPRODUCTIVE TOXICITY:</b>	Based on available data, the classification criteria are not met.

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- STOT-SINGLE EXPOSURE:** Based on available data, the classification criteria are not met.
- STOT-REPEATED EXPOSURE:** Based on available data, the classification criteria are not met.
- ASPIRATION HAZARD:** Based on available data, the classification criteria are not met.

**12. ECOLOGICAL INFORMATION**

- 12.1 TOXICITY:** Ecological testing has not been completed on the mixture. Based on criteria 4.1.3 of (EC) 1272/2008 this product is not dangerous to the environment. Components that are dangerous to the environment are mentioned in section 3.

Component	CAS #	LC50 fish 1	EC50 Daphnia 1	EC50 other aquatic organisms 1	EC50 other aquatic organisms 2
propan-2-ol, isopropyl alcohol, isopropanol	67-63-0	4200-9640 mg/l	>10000 mg/l	13299 mg/l waterflea (48h)	>1000 mg/l IC50 algae (72h) mg/l

**12.2 PERSISTENCE AND DEGRADABILITY:**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Component	CAS #	Biodegradation
propan-2-ol, isopropyl alcohol, isopropanol	67-63-0	readily biodegradable

**12.3 BIOACCUMULATIVE POTENTIAL:**

Mixture	Partition coefficient n-octanol/water (Log Pow)
Eclipse Glass Cleaner RTU	-1.1 (calculated value)

Component	Partition coefficient n-octanol/water (Log Pow)	Bioconcentration factor (BCF)
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	0.14	No bioaccumulation

- 12.4 MOBILITY IN SOIL:** Testing has not been completed on the mixture. No additional data available.
- 12.5 RESULTS OF PBT AND vPvB ASSESSMENT:** Not applicable
- 12.6 OTHER ADVERSE EFFECTS:** No data available.
- 12.7 ADDITIONAL INFORMATION:** Mixture is not classified with Aquatic hazards.

**13. DISPOSAL CONSIDERATIONS****13.1 WASTE TREATMENT METHODS**

Disposal of this material should be in accordance with local, regional and national regulations.  
EU Waste Catalogue: 20 01 30 - detergents other than those mentioned 20 01 29

**14. TRANSPORT INFORMATION**

- 14.1 UN NUMBER:** Product is not classified as hazardous for transport regulations.
- 14.2 UN PROPER SHIPPING NAME:** None
- 14.3 TRANSPORT HAZARD CLASSES:** None
- 14.4 PACKING GROUP:** None
- 14.5 ENVIRONMENTAL HAZARDS:** None



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14.6 SPECIAL PRECAUTIONS: None

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MAPROL73/78 AND THE IBC CODE: N/A

Not intended to be carried in bulk tankers.

### 15. REGULATORY INFORMATION

#### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE MIXTURE:

Contains no substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Detergent Regulation: Labeling of contents

Component	%
non-ionic surfactants	< 5%
methylothiazolinone	
benzothiazolinone	
perfumes	
limonene	

#### 15.2 CHEMICAL SAFETY ASSESSMENT:

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 16. OTHER INFORMATION

#### ABBREVIATIONS:

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

#### FULL TEXT OF HAZARD STATEMENTS AND EUH-STATEMENTS:

Eye Irrit. 2 - Serious eye damage/eye irritation, Category 2

Flam. Liq. 2 - Flammable liquids, Category 2

STOT SE 3 - Specific target organ toxicity — Single exposure, Category 3, Narcosis

H225 - Highly flammable liquid and vapor

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

EUH210 - Safety data sheet available on request.

#### ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation