



SAFETY DATA SHEET

Conforms to 1907/2006/EC - (EU) 2020/878

Issued: 29 Sept. 2023

Supersedes: 22 Nov. 2022

ECLIPSE™ WASHROOM CLEANER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

Product Name: Eclipse Washroom Cleaner
UFI: RRSF-K50K-WA0N-F02D

Product Number: 353L5

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.

Intended Use: Water-based washroom cleaner concentrate. To be diluted prior to use.

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)

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE

This mixture has been classified according to EC 1272/2008.

Classification: Eye Damage/Irritation - Category 2

2.2 LABEL ELEMENTS

Signal Word: Warning

Hazard pictogram:



Hazard Statements:

H319 Causes serious eye irritation.

Precautionary Statements:

P264 Wash hands thoroughly with water.

P280 Wear eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 OTHER HAZARDS No other hazards are known to the supplier

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2 SUBSTANCES/MIXTURES

Ingredient	EC No.	Weight %	CAS No.	REACH No.	CLP Classification	
					Hazard Class	Hazard Statement(s)*
2-hydroxypropane-1,2,3-tricarboxylic acid	201-069-1	1 - <5	77-92-9	01-2119457026-42	Eye Irrit. 2 STOT SE 3	H319 H335
Alcohols, C12-14, ethoxylated sulfates, sodium salts	500-234-8	1 - <5	68891-38-3	01-2119488639-16	Skin Irrit 2 Eye Dam 1 Aqua Chr 3	H315 H318 H412



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Propan-2-ol	200-661-7	1 - <5	67-63-0	01- 2119457558- 25	Flam Liq 2 Eye Irrit 2 STOT SE 3	H225 H319 H336
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*See section 16 for the full text of (EU) Hazard Statements

Ingredient	EC No.	CAS No.	Specific Concentration Limits
Alcohols, C12-14, ethoxylated sulfates, sodium salts	500-234-8	68891-38-3	(5 ≤ C ≤ 10) Eye Irrit 2, H319 (10 ≤ C ≤ 100) Eye Dam 1, H318

SECTION 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. If eye irritation develops and persists: Seek medical attention/advice.
- Skin Contact:** Wash with mild soap and water. If skin irritation develops and persists, seek medical attention/advice.
- Inhalation:** If experiencing respiratory symptoms: Allow affected person to breathe fresh air. If symptoms persist, seek medical attention/advice.
- Ingestion:** Rinse mouth with water. DO NOT induce vomiting. Seek medical advice immediately and show this container or label.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Not expected to present a significant hazard under normal use conditions.

- Eye Contact:** Causes serious eye irritation. Redness.
- Skin Contact:** Contact during prolonged use may cause light irritation. Redness.
- Inhalation:** None expected under normal use.
- Ingestion:** May cause irritation to linings of the mouth, throat and gastrointestinal tract.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

In case of any doubt or when irritation occurs or persists seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

In case of fire: All known extinguishants can be used.

5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

The product itself does not maintain combustion.

5.3 ADVICE FOR FIRE FIGHTERS

Use fire fighting measures that suit the environment. As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection. Fire-fighters should wear clothing conforming to EN469 for chemical incidents.

SECTION 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.



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- 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

SECTION 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.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Workplace Exposure Limits:

Ingredient	Source	TWA (8hours)		STEL (Short term)		Note(s)
		ppm	mg/m ³	ppm	mg/m ³	
Propan-2-ol (CAS# 67-63-0)	ACGIH TLV	200	492	400	984	
	NO – Forskrift, best.nr. 704	100	245	-	-	
	EH40	400	999	500	1250	
	DE (TRGS 900)	200	500	-	-	2(II), Y
	DFG MAKs	200	500	-	-	II (2)

DNEL/ DMEL & PNEC:

Ingredient	DNEL/DMEL Workers - Long Term		PNEC			
	Dermal	Inhalation	Water Freshwater	Sediment Freshwater	Soil	STP
2-hydroxypropane-1,2,3-tricarboxylic acid (CAS # 77-92-9)	Data not available	Data not available	0,44 mg/l	34,6 mg/kg	33,1 mg/kg	> 100 mg/l
Alcohols, C12-14, ethoxylated sulfates, sodium salts (CAS# 68891-38-3)	2750 mg/kg bodyweight/day	175 mg/m ³	0,24 mg/l	5,45 mg/kg	0,946 mg/kg	10000 mg/l
Propanol (CAS# 67-63-0)	888 mg/kg bodyweight/day	500 mg/m ³	140,9 mg/l	552 mg/kg	28 mg/kg	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: Eye protection not required with normal use.
If there is risk of liquid being splashed: wear safety glasses or goggles (EN166).

Hand Protection: Protective gloves not required with normal use.
In case of prolonged use or sensitive skin, 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.

Respiratory Protection: Under normal use of this product, respiratory protection not necessary. Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator with multi-purpose combination filter. (E.g. - EN 14387- ABEK)



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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Coral red
Odour:	Floral fragrance
Melting point/Freezing point:	± -1,1 °C
Boiling point/Boiling range:	± 98,5°C
Flammability:	Does not maintain combustion
Lower and upper explosion limits:	No test data available
Flash Point:	> 62 °C
Auto-ignition temperature:	No test data available
Decomposition temperature:	No test data available
pH:	2,05 - 2,4
Viscosity:	< 10 mPa.s
Solubility:	Water, completely soluble
Partition coefficient n-octanol/water [log Pow]:	-1,01 (calculated value)
Vapor pressure:	± 23,4 hPa
Density:	± 1,016 g/cm ³
Relative vapor density:	No test data available
Particle characteristics:	Not applicable to liquids

9.2 OTHER INFORMATION

9.2.1 - Information with regard to physical hazard class:

Oxidising properties:	Not established
Explosive properties:	Not established

9.2.2 - Other safety characteristics:

Relative evaporation rate (butylacetate=1):	≥ 1
VOC:	< 30%

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY:	Stable under normal conditions. May react with bases: release of heat.
10.2 CHEMICAL STABILITY:	Stable under normal conditions.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS:	None under normal conditions. May react with bases: release of heat.
10.4 CONDITIONS TO AVOID:	None known under normal conditions.
10.5 INCOMPATIBLE MATERIALS:	Bases. Do not mix with other chemicals unless stated on the product label.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS:	None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON HAZARD CLASSES AS DEFINED BY REGULATION (EC) 1272/2008

ACUTE TOXICITY: Toxicity testing has not been completed on the mixture.

ATE _{mix} (oral):	> 2000 mg/kg
ATE _{mix} (dermal):	> 2000 mg/kg
ATE _{mix} (inhalation):	> 20 mg/l (4 hr/vapour)

Based on criteria 3.1.3 from (EC) 1272/2008, the Acute Toxicity classification criteria are not met.

Components details are given below:

Component	CAS #	LD50 Oral Rat	LD50 Dermal Rabbit	LC50 Inhalation Rat
2-hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	3000 mg/kg	20000 mg/kg	data not available
Alcohols, C12-14, ethoxylated sulfates, sodium salts	68891-38-3	4100	> 2000	data not available
Propan-2-ol	67-63-0	5840 mg/kg	13000 mg/kg	46600 mg/l (4h)

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SKIN CORROSION/IRRITATION:	Based on available data, the classification criteria are not met.
SERIOUS EYE DAMAGE/IRRITATION:	Classified as Eye Irritation - Category 2. Causes serious eye irritation.
RESPIRATORY OR SKIN SENSITIZATION:	Based on available data, the classification criteria are not met.
GERM CELL MUTAGENICITY:	Based on available data, the classification criteria are not met.
CARCINOGENICITY:	Based on available data, the classification criteria are not met.
REPRODUCTIVE TOXICITY:	Based on available data, the classification criteria are not met.
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.

11.2 INFORMATION ON OTHER HAZARDS

11.2.1	Endocrine disrupting properties:	None known
11.2.2	Other information:	No additional information available

SECTION 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.
Component details are given below:

Component	CAS #	LC50 fish (96 h)	EC50 Daphnia (48 h)	EC50 algae (72 h)
Propan-2-ol	67-63-0	4200-9640 mg/l	> 10000 mg/l	> 1000 mg/l
2-hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	440 - 760 mg/ml	120 mg/l	data not available
Alcohols, C12-14, ethoxylated sulfates, sodium salts	68891-38-3	7,1 mg/ml	7,2 mg/l	27 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	67-63-0	Readily biodegradable
2-hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	Readily biodegradable
Alcohols, C12-14, ethoxylated sulfates, sodium salts	68891-38-3	Readily biodegradable

12.3 BIOACCUMULATIVE POTENTIAL:

Product / Component	CAS #	Partition coefficient n-octanol/water (Log Pow)
Eclipse Mild Acid Washroom Cleaner	mixture	-1,01 (calculated)
Propan-2-ol	67-63-0	0,05
2-hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	-1,64

- 12.4 MOBILITY IN SOIL:** Testing has not been completed on the mixture.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT:

Eclipse Washroom Cleaner	This mixture does not meet the PBT criteria of REACH regulation, Annex XIII. This mixture does not meet vPvB criteria of REACH regulation, Annex XIII.
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- 12.6 ENDOCRINE DISRUPTING PROPERTIES:** None known

- 12.7 OTHER ADVERSE EFFECTS:** No additional information available.



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SECTION 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.

SECTION 14: TRANSPORT INFORMATION

Product is not regulated as hazardous for transport regulations.

14.1 UN NUMBER: None

14.2 UN PROPER SHIPPING NAME: None

14.3 TRANSPORT HAZARD CLASSES: None

14.4 PACKING GROUP: None

14.5 ENVIRONMENTAL HAZARDS: None

14.6 SPECIAL PRECAUTIONS: None

14.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS Product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION

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

Does not contain substances or labelled product uses subject to REACH Annex XVII restriction.

See Annex XVII of Regulation (EC) 1907/2006 for Designation of the substances and Conditions of restriction.

Does not contain substances included in the list in accordance with Article 59(1) REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in (EU) 2017/2100 or (EU) 2018/605 at a concentration $\geq 0,1\%$.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to (EU) 649/2012.

Contains no substance subject to (EU) 2019/1021.

Detergent Regulation: 648/2004

Labeling of contents

Component	%
anionic surfactants, non-ionic surfactants	< 5%
perfumes	

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.

15.2 CHEMICAL SAFETY ASSESSMENT:

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

29 Sept. 2023 - Revisions § 1 2, 3, 4, 8, 9, 10, 11, 12, 15 & 16

ABBREVIATIONS:

ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute Toxicity Estimate
CAS No.	Chemical Abstract Service Number
CLP	Classification Labeling Packaging Regulation (EC) 1272/2008
DMEL	Derived Minimal Effect Level
DNEL	Derived-No Effect Level
EC50	Median Effective Concentration.
EC No.	European Union Identification Number
IMO	International Maritime Organization



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LC50	Median Lethal Concentration
LD50	Median Lethal Dose
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation, (EC) 1907/2006
SDS	Safety Data Sheet
STEL	Short-Term Exposure Limit
STP	Sewage Treatment Plant - Removal efficiency fraction (offsite; STP)
TWA	Time Weighted Average
UFI	Unique Formula Identifier
UN	United Nations
VOC	Volatile Organic Compound
vPvB	Very Persistent and Very Bioaccumulative

CLASSIFICATION ACCORDING TO EC 1272/2008:

Classification and procedure used to derive the classification for mixture:		
Eye Irrit 2	H319	Calculation method

FULL TEXT OF HAZARD STATEMENTS AND EUH-STATEMENTS:

H225	Highly flammable liquid and vapor.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

ISSUED BY:

Chemical/R&D Department
Amano Pioneer Eclipse Corporation

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