



SAFETY DATA SHEET

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

Issued: June 7, 2016

Supersedes: May 27, 2015

NEUTRAZENE™

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

1.1 PRODUCT IDENTIFIER

Product Name: Neutrazene Malodor Counteractant

Product Number: 325

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.

Intended Use: Water based odour neutralizer concentrate

Uses Advised Against: Other than per labelled instructions.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Manufacturer:

Amano Pioneer Eclipse Corporation

P.O. Box 909

1 Eclipse Road

Sparta, NC 28675

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.

Aquatic Chronic - Category 3

2.2 LABEL ELEMENTS

Signal Word: None

Hazard pictogram(s): None

Hazard Statement(s):

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statement(s):

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection.

P501 Dispose of contents/container in accordance to local, regional, national and international regulations.

2.3 OTHER HAZARDS

EUH208 Contains d-Limonene. May produce an allergic reaction.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2 SUBSTANCES/MIXTURES

Ingredient	EC No.	Weight %	CAS No.	CLP Classification	
				Hazard Class	Hazard Statement(s)*
dodecyl methacrylate	205-570-6	1 - 5	142-90-5	Skin Irrit 2 Eye Irrit 2 AquaAcute1 AquaChrc1	H315 H319 H400 H410
d-Limonene	227-813-5	0.1 - 0.2	5989-27-5	Flam Liq 3 Skin Irrit 2 Skin Sens 1 AquaAcute1 AquaChrc1	H226 H315 H317 H400 H410



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1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexaazamethylindeno[5,6-c]pyran galaxolide	214-946-9	0.1 - 0.2	1222-05-5	AquaAcute1 AquaChrc1	H400 H410
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*See section 16 for the full text of Hazard Statements

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Eye Contact: Rinse with plenty of water. If irritation develops and persists, seek medical attention.
Skin Contact: Wash with plenty of water. If irritation develops and persists, seek medical attention.
Inhalation: If breathing is difficult, remove to fresh air. If symptoms persist, seek medical attention.
Ingestion: If ingested, do not induce vomiting. Seek medical attention.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

This mixture is not expected to produce significant adverse health effects when recommended use instructions are followed.

Eye Contact: None expected under normal use.
Skin Contact: May cause an allergic skin reaction.
Inhalation: None expected under normal use.
Ingestion: None expected under normal use.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

In case of fire: use dry chemical, water spray, foam, carbon dioxide.

5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

Hazardous combustion products: CO, CO₂

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include but not limited to the above mentioned substances.

5.3 ADVICE FOR FIRE FIGHTERS

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. Materials can splatter above 100°C/212°F.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Refer to Section 8 for appropriate personal protective equipment.

6.2 ENVIRONMENTAL PRECAUTIONS

Keep spills and cleaning runoff out of sewers and open bodies of water.

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.

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.



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7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage temperature (Max. 60°C/140°F) (Min. 1°C/34°F). 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

Components do not have established work exposure limits.

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: Safety eyewear is recommended, to avoid chemical splashes and mists.
Safety glasses or goggles (EN166).

Hand Protection: Chemical resistant gloves are recommended. (EN374).
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: 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)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear, blue liquid	
Odor:	floral	
Odor Threshold:	No test data available	
pH:	7.0	[Method: ASTM E 70]
Freezing Point:	No test data available	
Initial boiling point/boiling range:	No test data available	
Flash Point:	> 93°C	[Method: Closed cup, ASTM D 56]
Evaporation Rate:	No test data available	
Flammability (solid, gas)	Not applicable to liquids	
Upper/lower flammability/explosive limits:	No test data available	
Vapor Pressure:	No test data available	
Vapor Density:	No test data available	
Relative Density:	1.02 kg/L @ 20°C	[Method: Pycnometer, ASTM D 1475]
Solubility:	miscible in water	
Partition Coefficient (n-octanol/water):	No test data available	
Auto Ignition temperature:	No test data available	
Decomposition Temperature:	No test data available	
Viscosity:	< 5 centipoise @ 20°C	[Method: Rotational viscometer, Brookfield]
Explosive Properties:	None	
Oxidizing properties:	None	

9.2 OTHER INFORMATION

VOC: 0.02%



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SECTION 10: STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** None known
- 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:** Do not mix with other chemicals unless stated on the product label.
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- ACUTE TOXICITY:** Toxicity testing has not been completed on the mixture.
- ATE_{mix} (oral): > 2000 mg/kg Based on available data, the classification criteria are not met.
- ATE_{mix} (dermal): > 2000 mg/kg
- ATE_{mix} (inhalation): > 20 mg/l (4 hr/vapour)

Component	CAS #	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC ₅₀ Inhalation-Rat (mg/l)
dodecyl methacrylate	142-90-5	>5000	>3000	N/A
d-Limonene	5989-27-5	4400	>2000	N/A

- SKIN CORROSION/IRRITATION:** Based on available data, the classification criteria are not met.
- SERIOUS EYE DAMAGE/IRRITATION:** Based on available data, the classification criteria are not met.
- RESPIRATORY OR SKIN SENSITIZATION:** Based on available data, the classification criteria are not met. Mixture contains d-Limonene. May produce an allergic reaction.
- 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 POTENTIAL ADVERSE HEALTH EFFECTS

Effects and symptoms related to this mixture, if any, are listed in Section 4.2.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 TOXICITY:** Ecological testing has not been completed on the mixture.
Classified as Aquatic Chronic - Category 3

Component	CAS #	LC50 - 96 hr	LC50 - 48 hr	LC50
dodecyl methacrylate	142-90-5	not available	not available	not available
d-Limonene	5989-27-5	vertebrate, 702 mg/ml	Daphnia magna, 0.577 mg/l	NOEC, 4.08 mg/l
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindenol[5,6-c]pyran galaxolide	1222-05-5	vertebrate, 1.36 mg/ml	Daphnia magna, 0.88 mg/l	NOEC, 0.201 mg/l

- 12.2 PERSISTENCE AND DEGRADABILITY:** Testing has not been completed on the mixture.

Component	CAS #	Biodegradation
dodecyl methacrylate	142-90-5	not available
d-Limonene	5989-27-5	readily biodegradable

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1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexaamethylindeno[5,6-c]pyran galaxolide

1222-05-5

not readily biodegradable

12.3 BIOACCUMULATIVE POTENTIAL:

Testing has not been completed on the mixture.

Component	CAS #	Partition coefficient n-octanol/water (Log Kow)	Bioconcentration factor (BCF)
dodecyl methacrylate	142-90-5	6.45	not available
d-Limonene	5989-27-5	4.38	1022
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexaamethylindeno[5,6-c]pyran galaxolide	1222-05-5	not available	not available

12.4 MOBILITY IN SOIL:

Testing has not been completed on the mixture.

Component	CAS #	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
dodecyl methacrylate	142-90-5	not available
d-Limonene	5989-27-5	1984
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexaamethylindeno[5,6-c]pyran galaxolide	1222-05-5	not available

12.5 RESULTS OF PBT AND vPvB ASSESSMENT: Not applicable**12.6 OTHER ADVERSE EFFECTS:** None known**12.7 ADDITIONAL INFORMATION:** Harmful to aquatic life with long lasting effects.**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: 16 03 05*

SECTION 14: TRANSPORT INFORMATION

Product is not classified 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 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MAPROL73/78 AND THE IBC CODE:** N/A**SECTION 15: REGULATORY INFORMATION****15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE MIXTURE**

EINECS STATUS: Ingredients are included in the EINECS/ELINCS/NLP inventories.

NATIONAL REGULATIONS: No additional national regulations are known to the supplier.

15.2 CHEMICAL SAFETY ASSESSMENT: No information available.



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SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

June 7, 2016 - Logo, Revisions per (EU) 2015/830, Sections 5, 8, 9 & 11

ABBREVIATIONS:

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

FULL TEXT OF HAZARD STATEMENTS:

H226 Flammable liquid and vapour

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

FULL TEXT OF PRECAUTIONARY STATEMENTS:

Safety data sheet available on request.

ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation