SAFETY DATA SHEET

Conforms to WHS Code of Practice
Issued: 04 Dec 2022
Supersedes: 05 May 2020

FORMULA X-TREME™

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

1.1 PRODUCT IDENTIFIER

Product Name: Formula X-treme High Performance Stripper Product Number: 549

1.2 RECOMMENDED USE AND RESTRICTIONS ON USE

Product intended for commercial and industrial use only.
Intended Use: Floor finish remover concentrate
Restrictions of Use: Other than per labelled instructions.

1.3 DETAILS OF THE SUPPLIER

Importer:
Eclipse Floor Solutions Pty Ltd
41-43 Steel Street
Capalaba
Queensland 4157
Telephone: (07) 3390 3027
Email: info@eclipsefloorsolutions.com.au
Internet: www.eclipsefloorsolutions.com.au

1.4 EMERGENCY TELEPHONE NUMBER

For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident Call:
The Australian Poisons Information Hotline All States 24 Hour Ph: 13 11 26

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE

This mixture has been classified as hazardous according to Safe Work Australia criteria.
Acute Toxicity (Oral) - Category 4
Skin Corrosion - Category 1B
Eye Damage - Category 1
Acute Toxicity (Inhalation) - Category 4
Specific Target Organ Toxicity (Single Exposure) - Category 3

2.2 LABEL ELEMENTS

Signal Word: Danger

Hazard pictograms: [Corrosion, Exclamation Point]

Hazard Statements:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Precautionary Statements:*

P260	Do not breathe mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection.
P312	Call a POISON CENTER/doctor if you feel unwell.
P301+P330+P331+P310	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

* Precautionary statements listed are as labelled. See Section 16 for additional Precautionary Statements.

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	CAS Number	Weight %	Classification	
			Hazard Class	Hazard Statement(s)*
ethylene glycol monobutyl ether	111-76-2	30 - 45	Acute Tox 4 Eye Irrit 2 STOT SE 3	H302,H312,H332 H319 H335
benzyl alcohol	100-51-6	20 - 30	Acute Tox 4 Eye Irrit 2A	H302, H332 H319
ethanolamine	141-43-5	15 - 25	Acute Tox 4 Skin Corr 1B	H302,H312,H332 H314

**See section 16 for the full text of Hazard Statements*

SECTION 4: FIRST AID MEASURES

4.1 DECRIPTION OF FIRST AID MEASURES

Eye Contact: Immediately wash out with water for at least 15 minutes. (If easy to do, remove contact lenses, if worn.) Seek medical attention immediately.

Skin Contact: Immediately wash with plenty of water for at least 15 minutes. (Remove any contaminated clothing and shoes.) Seek medical attention immediately.

Inhalation: If breathing is difficult: Remove to fresh air. Seek medical attention immediately.

Ingestion: Call a physician or poison control centre immediately. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: Can cause serious eye damage. May cause permanent damage.

Skin Contact: Can cause severe skin burns. May cause permanent damage.

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.

Ingestion: May cause burns to mouth, throat and stomach.

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, CO_2

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. Corrosive material.

HAZCHEM Code: 2X 2 - Fine water spray
X - Liquid tight chemical protective clothing and breathing apparatus. Contain.

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 & 13 of the SDS.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapours or spray mists. Remove and wash contaminated clothing and footwear before reuse.

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

Workplace Exposure Limits:

Ingredient	Source	TWA (8hours)		STEL (Short term)		Note(s)
		ppm	mg/m^3	ppm	mg/m^3	
ethylene glycol monobutyl ether	ACGIH TLV	20	97	-	-	BEI
	NOHSC -WES	20	96.9	50	242	Sk

Ingredient	Source	TWA (8hours)		STEL (Short term)		Note(s)
		ppm	mg/m^3	ppm	mg/m^3	
ethanolamine	ACGIH TLV	3	7.5	6	15	-
	NOHSC -WES	3	7.5	6	15	-

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: Wear eye protection.
Safety glasses or goggles should comply with AS/NZS 1337 and be selected and used in accordance with AS/NZS 1336.

Hand Protection: Wear chemical resistant gloves.
Hand protection should comply with AS/NZS 2161.
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.
Protective footwear and Protective clothing should be comply with AS/NZS 2210 & AS/NZS 4503.

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.
Respiratory protection should comply with AS/NZS 1716 and be selected in accordance with AS/ANZ 1715.

Hygiene Measures: Do not eat, drink or smoke when using this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	liquid	
Colour:	clear, colourless	
Odour:	butyl odour	
Melting Point/Freezing Point:	No test data available	
Boiling point:	No test data available	
Flammability:	Not flammable	
Lower/Upper explosion/flammability limit:	No test data available	
Flash Point:	> 93°C	[Method: Closed cup, ASTM D 56]
Auto Ignition temperature:	No test data available	
Decomposition Temperature:	No test data available	
pH:	11.5	[Method: ASTM E 70]
Viscosity:	< 20 centipoise @ 20ºC	[Method: Rotational viscometer, Brookfield]
Solubility:	miscible in water	
Partition Coefficient (n-octanol/water):	No test data available	
Evaporation Rate:	No test data available	
Vapour Pressure:	No test data available	
Density:	0.98 kg/L @ 20ºC	[Method: Pycnometer, ASTM D 1475]
Relative Vapour Density:	No test data available	
Particle Characteristics:	Does not apply to liquids	

9.2 OTHER INFORMATION

VOC: 60% (as supplied), 2.8% (1:20), 1.9% (1:30), 1.43% (1:40)

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY: None known

10.2 CHEMICAL STABILITY: Stable under normal conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS: Product may react strongly with water. Care should be used if diluting; product should be slowly added to water.

10.4 CONDITIONS TO AVOID: None known

10.5 INCOMPATIBLE MATERIALS: Strong acids, bases and oxidizing agents. 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.
Harmful if swallowed. Harmful if inhaled.

ATE_{mix} (oral)	- 1463 mg/kg	Classified as Acute Toxicity (Oral) - Category 4
ATE_{mix} (dermal)	- 2326 mg/kg	Based on available data, the classification criteria are not met.
ATE_{mix} (inhalation)	- 18 mg/l (4 hr/vapour)	Classified as Acute Toxicity (Inhalation) - Category 4

Ingredient	CAS #	LD50 Oral- Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation- (mg/l)
ethylene glycol monobutyl ether	111-76-2	1300	> 2000	guinea pig (1hr), >3.1
benzyl alcohol	100-51-6	1230	2000	rat (8hr), 8.9
ethanolamine	141-43-5	1515	2504	rat (4hr), > 1.3

SKIN CORROSION/IRRITATION: Classified as Skin Corrosive - Category 1B
Causes severe skin burns.

SERIOUS EYE DAMAGE/IRRITATION: Classified as Eye Damage - Category 1
Causes serious eye damage.

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: Classified as STOT-SE - Category 3
May cause respiratory irritation.

STOT-REPEATED EXPSURE: 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 ECOTOXICITY: Ecological testing has not been completed on the mixture.

Ingredient	CAS #	LC50 - 96 hr	LC50 - 48 hr	EC50 - 72 hr
ethylene glycol monobutyl ether	111-76-2	vertebrate, 820-1490 mg/ml	Daphnia magna, 835 mg/l	algae, 911 mg/l
benzyl alcohol	100-51-6	vertebrate, 770 mg/ml	Daphnia magna, 400 mg/l	algae, 640 mg/l
ethanolamine	141-43-5	vertebrate, 125-2010 mg/ml	Daphnia magna, 33-93 mg/l	algae, 2.5 mg/l

12.2 PERSISTANCE AND DEGRADABILITY: Testing has not been completed on the mixture.

Ingredient	CAS #	Biodegradation
ethylene glycol monobutyl ether	111-76-2	readily biodegradable
benzyl alcohol	100-51-6	readily biodegradable
ethanolamine	141-43-5	readily biodegradable

12.3 BIOACCUMULATIVE POTENTIAL: Testing has not been completed on the mixture.

Ingredient	CAS #	Partition coefficient n-octanol/water (Log Kow)	Bioconcentration factor (BCF)
ethylene glycol monobutyl ether	111-76-2	0.81	< 100
benzyl alcohol	100-51-6	not available	<100
ethanolamine	141-43-5	-1.91	< 100

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

Ingredient	CAS #	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
ethylene glycol monobutyl ether	111-76-2	67
benzyl alcohol	100-51-6	not available
ethanolamine	141-43-5	1.17

12.5 OTHER ADVERSE EFFECTS: None known

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, regional and national regulations.
During disposal activities, refer to Section 8 for relevant exposure controls and PPE requirements.

SECTION 14: TRANSPORT INFORMATION

This mixture has been classified as a dangerous good in accordance with ADG regulations.

14.1 UN NUMBER: UN1760
14.2 UN PROPER SHIPPING NAME: Corrosive liquid, n.o.s. (ethanolamine)
14.3 TRANSPORT HAZARD CLASSES: 8
14.4 PACKING GROUP NUMBER: II
14.5 ENVIRONMENTAL HAZARDS: N/A

14.6 SPECIAL PRECAUTIONS FOR USER:

Package volumes < 1 L are shipped as Limited Quantity; as permitted by hazard class and quantity limits.

IMDG

Emergency Schedules (EmS):	Fire F-A, Spillage S-B
Stowage and Segregation:	Category B. Clear of living quarters.
Marine Pollutant:	None

ADR/RID

Class:	8
Item Number:	80
Classification Code	C9

14.7 ADDITIONAL INFORMATION: No additional information is known to the supplier.

14.8 HAZCHEM/EAC: 2X

SECTION 15: REGULATORY INFORMATION

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

AICIS STATUS: Ingredients are listed on AIIC inventory or are exempt.

SUSMP POISON SCHEDULE:

Ingredient	%	Schedule
ethylene glycol monobutyl ether	> 10	6
ethanolamine	> 5	6

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

04 Dec 2022 - GHS 7 revisions, § 1, 3, 8, 9, 12, 14, 15 & 16

ABBREVIATIONS:

ACGIH	American Conference of Governmental Industrial Hygienists
ADG	Australian Dangerous Goods Code
AICIS	Australian Industrial Chemicals Introduction Scheme
AIIC	Australian Inventory of Industrial Chemicals
AS/NZS	Australian/New Zealand Standard
ASTM	American Society for Testing and Materials
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service
EAC	Emergency Action Code
GHS	Globally Harmonized System
HAZCHEM	Hazardous Chemical
HCIS	Hazardous Chemical Information System
NOHSC	National Occupational Health and Safety Commission
STEL	Short Term Exposure Limit
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
TLV	Threshold Limit Values
TWA	Time Weighted Average
UN	United Nations
WES	Workplace Exposure Standard
WHS	Work Health and Safety

FULL TEXT OF HAZARD STATEMENTS:

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

FULL TEXT OF PRECAUTIONARY STATEMENTS:

P261	Avoid breathing mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P321	Specific treatment (see ... on this label).
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P403+P233	Store in well ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation

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