



SAFETY DATA SHEET

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

Issued: 23 Sept 2020

Supersedes: 23 April 2018

FORMULA X-TREME FLOOR STRIPPER

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

1.1 PRODUCT IDENTIFIER

Product Name: Formula X-TREME Floor Stripper Product Number: 549L5

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.
Intended Use: Floor Finish remover concentrate
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
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.
Acute Toxicity (Oral) - Category 4
Acute Toxicity (Inhalation) - Category 4
Skin Corrosion - Category 1A
Eye Damage - Category 1
Specific Target Organ Toxicity (Single Exposure) - Category 3

2.2 LABEL ELEMENTS

Signal Word: Danger

Hazard pictogram(s):



Hazard Statement(s):

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 Statement(s):

P260 Do not breathe mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
P310 Immediately call a POISON CENTER/doctor.

2.3 OTHER HAZARDS No other hazards are known to the supplier



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2 SUBSTANCES/MIXTURES

Ingredient	EC No.	Weight %	CAS No.	REACH No.	Classification	
					Hazard Class	Hazard Statement(s)*
2-butoxyethanol	203-905-0	30 - < 50	111-76-2	01- 2119475108- 36	Acute Tox 4 Eye Irrit 2 Skin Irrit 2	H302, H312, H332 H319 H315
benzyl alcohol	202-859-9	20 - < 30	100-51-6	01- 2119492630- 38	Acute Tox 4 Eye Irrit 2	H302, H332 H319
2-aminoethanol	205-483-3	10 - < 20	141-43-5	01- 2119486455- 28	Acute Tox 4 Skin Corr 1A Eye Dam 1 AquaChron3	H302, H312, H332 H314 H318 H412
alcohols, C9-11, ethoxylated		1 - < 5	68439-46-3	Exempted, Polymer	Acute Tox 4 Eye Dam 1	H302 H318

*See section 16 for the full text of Hazard Statements

Ingredient	EC No.	CAS No.	Specific Concentration Limits
2-aminoethanol	205-483-3	141-43-5	(5 ≤ C ≤ 100) STOT SE 3, H335

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION 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 center immediately. Rinse mouth. 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:** Causes serious eye damage.
- Skin Contact:** Causes severe skin burns.
- Inhalation:** Harmful if inhaled.
- Ingestion:** Harmful if swallowed. May cause irritation of the 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 advice. If medical advice is needed, have product container or label at hand

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. Corrosive material.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Refer to Section 8 for appropriate personal protective equipment.
Material spilled on hard surface can present a serious slipping/falling hazard.

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 - 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, 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 re-use.

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. Store in original container.

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	
2-butoxyethanol	ACGIH TLV	20	97	-	-	BEI
	DE (TRGS 900)	-	-	10	49	H,Y, AGS
	DK - At-Vejledning Stoffer og materialier- C.0.1	20	98	-	-	EH
	EU (2000/39/EC)	20	98	50	246	Skin
	NO – Forskrift, best.nr. 704	-	-	10	50	H
	NL - Grensuarde TGG	20	100	50	246	H
	EH40	25	123	50	246	Sk, BMGV

Ingredient	Source	TWA (8hours)		STEL (Short term)		Note(s)
		ppm	mg/m ³	ppm	mg/m ³	
2-aminoethanol	ACGIH TLV	3	7.5	6	15	-
	DE (TRGS 900)	-	-	2	5.1	H,Y,Sh
	DK - At-Vejledning Stoffer og materialier- C.0.1	1	2.5	-	-	H
	EU (2006/15/EC)	1	2.5	3	7.6	Skin
	NO Administrative Norm	1	2.5	-	-	H
	NL - Grensuarde TGG	-	2.5	-	7.6	H
	EH40	1	2.5	3	7.6	Skin



SAFETY DATA SHEET

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

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Supersedes: 23 April 2018

FORMULA X-TREME FLOOR STRIPPER

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 or face protection is recommended to avoid chemical splashes and mists. Safety glasses or goggles. (EN166).

Hand Protection: Chemical resistant gloves are recommended. (EN374).
Long-term or submersion protection: Use Nitrile gloves with a thickness of at least 0.31 mm (thickness dependent on glove type and quality) for a breakthrough time of up to 480 minutes.
Short-term (≤ 30 min) or splash protection: Use Nitrile gloves with a thickness of at least 0.12 mm (thickness dependent on glove type and quality) for a breakthrough time of at least 30 min.
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)

Hygiene Measures: 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

Appearance:	clear, colorless liquid
Odor:	aromatic odor
Odor Threshold:	No test data available
pH:	12.5 - 13.5 (as supplied)
Melting Point/Freezing Point:	-5 °C
Initial boiling point/boiling range:	100 °C
Flash Point:	> 93 °C
Evaporation Rate:	< 1 (butyl acetate = 1)
Flammability (solid, gas)	Not applicable to liquids
Upper/lower flammability or explosive limits:	No test data available
Vapor Pressure:	± 23.16 hPa
Vapor Density:	No test data available
Relative Density:	0.99 kg/L @ 20°C
Solubility:	miscible in water
Partition Coefficient (n-octanol/water):	1.13 (calculated value)
Auto Ignition temperature:	No test data available
Decomposition Temperature:	No test data available
Viscosity:	< 20 mPa.s
Explosive Properties:	none
Oxidizing properties:	none

9.2 OTHER INFORMATION

VOC: <90%

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY: Reacts exothermically with acids: release of heat.

10.2 CHEMICAL STABILITY: Stable under normal conditions.



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- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** None under normal conditions. Reacts exothermically with acids: release of heat.
- 10.4 CONDITIONS TO AVOID:** None known
- 10.5 INCOMPATIBLE MATERIALS:** Acids. 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) - 645 mg/kg Classified as Acute Toxicity (Oral) - Category 4

ATE_{mix} (inhalation) - 1.7 mg/l (4 hr/vapour) Classified as Acute Toxicity (Inhalation) - Category 4

Component	CAS #	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation- (mg/l)
2-butoxyethanol	111-76-2	1300	> 2000	guinea pig, >3.1, 1hr
benzyl alcohol	100-51-6	1230	2000	rat, > 4000, 4 hr
2-aminoethanol	141-43-5	1720	1500	rat, > 1.3, 4hr

SKIN CORROSION/IRRITATION: Classified as Skin Corrosive - Category 1A
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 TOXICITY:** Ecological testing has not been completed on the mixture.
According to the criteria of 4.1.3 from (EC) 1272/2008 this product is not dangerous for the environment.

Component	CAS #	LC50 - 96 hr	LC50 - 48 hr	EC50 - 72 hr
2-butoxyethanol	111-76-2	fish, 1474mg/ml	Daphnia, 1550 mg/l	algae, 911 mg/l
benzyl alcohol	100-51-6	fish, 460 mg/ml	waterflea, 230 mg/l	algae, 500 mg/l
2-aminoethanol	141-43-5	fish, 349 mg/ml	Daphnia, 65 mg/l	algae, 2.5 mg/l
alcohols, C9-11, ethoxylated	68439-46-3	fish, 5 - 7 mg/ml	Daphnia, 5.3 mg/l	algae, 1.4 -4.7 mg/l

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Component	CAS #	Biodegradation
2-butoxyethanol	111-76-2	readily biodegradable
benzyl alcohol	100-51-6	readily biodegradable
2-aminoethanol	141-43-5	> 90% readily biodegradable
alcohols, C9-11, ethoxylated	68439-46-3	readily biodegradable

12.3 BIOACCUMULATIVE POTENTIAL:

Product / Component	CAS #	Partition coefficient n-octanol/water (Log Pow)
Formula X-TREME Floor Stripper	mixture	1.13 (calculated)
2-butoxyethanol	111-76-2	0.81
benzyl alcohol	100-51-6	1.1
2-aminoethanol	141-43-5	-2.3 - -1.31
alcohols, C9-11, ethoxylated	68439-46-3	0 (3.3 - 4.8)

12.4 MOBILITY IN SOIL: No additional information available**12.5 RESULTS OF PBT AND vPvB ASSESSMENT:**

Formula X-TREME Floor Stripper	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 OTHER ADVERSE EFFECTS: None known**12.7 ADDITIONAL INFORMATION:** Based on available data, the classification criteria are not met.**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 15* Alkalines

SECTION 14: TRANSPORT INFORMATION**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:** III**14.5 ENVIRONMENTAL HAZARDS:** N/A**14.6 SPECIAL PRECAUTIONS FOR USER:**

Package volumes ≤ 5 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 Handling: Category A, SW2

Marine Pollutant: None

ADR/RID

Class: 8

Item Number: 80

Classification Code: C9

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



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SECTION 15: REGULATORY INFORMATION

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

Contains no REACH substances with Annex XVII restrictions
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

15.2 CHEMICAL SAFETY ASSESSMENT: No information available.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

23 Sept 2020 - Revisions § 3, 4, 7, 8, 9, 12, 15 & 16

ABBREVIATIONS:

N/A - Not Applicable
N/E - Not Established
N/L - Not Listed

FULL TEXT OF HAZARD STATEMENTS:

H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

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.
P312 Call a POISON CENTER/doctor if you feel unwell
P321 Specific treatment (see ... on this label).
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.

CLASSIFICATION ACCORDING TO EC 1272/2008:

Classification and procedure used to derive the classification for mixture:		
Acute Tox. 4 (Oral)	H302	Calculation method
Acute Tox. 4 (Inhalation: dust, mist)	H332	Calculation method
Skin Corr. 1	H314	Calculation method
Eye Dam. 1	H318	Calculation method
STOT SE 3	H335	Calculation method

ISSUED BY:

Chemical/R&D Department
Amano Pioneer Eclipse Corporation