

FORMULA X™ BASEBOARD GEL STRIPPER**1. IDENTIFICATION OF THE MIXTURE (PREPARATION) AND OF THE COMPANY/UNDERTAKING****1.1 PRODUCT IDENTIFIER**

Product Name: Formula X Baseboard Gel Stripper

Product Number: 503A12

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.

Intended Use: Aerosol floor finish stripper. Ready to use.

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: msds@pioneer-eclipse.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: Skin Corrosion - Category 1
Eye Damage - Category 1
Corrosive to Metals
Gas under pressure - Liquefied gas**2.2 LABEL ELEMENTS**

Signal Word: Danger

Hazard pictogram(s):



Hazard Statement(s):

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H280 Contains gas under pressure; may explode if heated.

H290 May be corrosive to metals.

Precautionary Statement(s):

P251 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe mist/vapours/spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves and 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 e

P308 + P310 Immediately call a POISON CENTER or doctor/physician if you feel unwell.

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

P405 Store locked up.

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P403 Store in a well-ventilated place.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container according to local, regional and national regulations.

2.3 OTHER HAZARDS 10% by mass of the contents are flammable.

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

Ingredient	EC No.	Weight %	CAS No.	CLP Classification	
				Hazard Class	Hazard Statement(s)*
ethylene glycol monobutyl ether	203-905-0	10 - 30	111-76-2	Acute Tox 4 Eye Irrit 2 Skin Irrit 2	H302, H312, H332 H319 H315
ethanolamine	205-483-3	5 - 10	141-43-5	Acute Tox 4 Skin Corr 1B STOT SE 3	H302, H312, H332 H314 H335
propylene glycol monobutyl ether	225-878-4	5- 10	5131-66-8	Eye Irrit 2 Skin Irrit 2	H319 H315

*See section 16 for the full text of R phrases and Hazard Statements

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. 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 severe irritation, discomfort or pain, excess blinking and tear production, redness and swelling.
Skin Contact: Brief contact may cause irritation. Prolonged contact may cause more severe irritation with pain, local redness and swelling.
Inhalation: High vapor/aerosol concentrations are irritating to respiratory tract.
Ingestion: Harmful if swallowed. May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea and general weakness.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No information available.

5. FIRE FIGHTING MEASURES
5.1 EXTINGUISHING MEDIA

Water spray, fog or foam.

5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition an flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire a high speed.

5.3 ADVICE FOR FIRE FIGHTERS

Promptly isolated the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

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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

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all ignition sources. Disperse vapors with water spray. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

6.4 REFERENCE TO OTHER SECTIONS: Refer to Section 8 of the SDS.

7. HANDLING AND STORAGE
7.1 PRECAUTIONS FOR SAFE HANDLING

Do not use near heat, sparks or open flame. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapors or mists. Remove and wash contaminated clothing and footwear before re-use.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep out of reach of children. Do not store near heat, sparks or open flame. Exposure to temperatures above 120°F may cause bursting. Do not puncture or incinerate container. Store in a cool, dry place. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal.

7.3 SPECIFIC END USE(S): No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 CONTROL PARAMETERS

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
	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
	EH40	25	123	50	246	Sk, BMGV

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	-
	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
	EH40	1	2.5	3	7.6	Skin

Ingredient	Source	TWA (8hours)		STEL (Short term)		Note(s)
		ppm	mg/m ³	ppm	mg/m ³	
Propane	NO – Forskrift, best.nr. 704	-	-	500	900	-
	DE (TRGS 900)	1000	1800	-	-	DFG
	DK - At-Vejledning Stoffer og materialier- C.0.1	1000	1800	-	-	-

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Ingredient	Source	TWA (8hours)		STEL (Short term)		Note(s)
		ppm	mg/m ³	ppm	mg/m ³	
n-Butane	NO – Forskrift, best.nr. 704	-	-	250	600	-
	EH40	600	1450	750	1810	-
	DE (TRGS 900)	100	2400	-	-	DFG
	DK - At-Vejledning Stoffer og materialier- C.0.1	500	1200	-	-	-

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.

Hand Protection: To prevent repeated or prolonged contact, wear impervious gloves (rubber, nitrile or neoprene).

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.

9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear, colorless spray
Odor:	butyl
Odor Threshold:	N/E
pH:	12.5
Freezing Point:	N/E
Initial boiling point/boiling range:	N/E
Flash Point:	> 93°C (liquid portion)
Evaporation Rate:	N/E
Upper/lower flammability/explosive limits:	N/E
Vapor Pressure:	N/E
Vapor Density:	N/E
Relative Density:	1.0 kg/L @ 20°C
Solubility:	miscible in water
Partition Coefficient (n-octanol/water):	N/E
Auto Ignition temperature:	N/E
Decomposition Temperature:	N/E
Viscosity:	N/E
Explosive Properties:	N/A
Oxidizing properties:	N/E

9.2 OTHER INFORMATION

VOC: 19%

10. STABILITY AND REACTIVITY

10.1 REACTIVITY: Not reactive under normal conditions.

10.2 CHEMICAL STABILITY: Stable under normal conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

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- 10.4 CONDITIONS TO AVOID:** High temperatures, open flames, sparks, welding
- 10.5 INCOMPATIBLE MATERIALS:** Strong acids and oxidizing agents
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** carbon monoxide, carbon dioxide

11. TOXICOLOGICAL INFORMATION
11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY: Toxicity testing has not been completed on the mixture.
Based on available data, the classification criteria are not met.

Component	CAS #	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation- (mg/l)
ethylene glycol monobutyl ether	111-76-2	470 - 1746	guinea pig, >2000	guinea pig (1hr), >3.1
ethanolamine	141-43-5	1090 - 3320	rat, 2504	rat (4hr), >1.48
Butane (propellant blend)	106-97-8	N/A	N/A	658 g/L (4 hr)
Propane (propellant blend)	74-98-6	N/A	N/A	N/A

SKIN CORROSION/IRRITATION: Classified as Skin Corrosive - Category 1

SERIOUS EYE DAMAGE/IRRITATION: Classified as Eye Damage - Category 1

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 EXPSURE: 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.

Component	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
ethanolamine	141-43-5	vertebrate, 125-2010 mg/ml	Daphnia magna, 33-93 mg/l	algae, 2.5 mg/l
Butane (propellant blend)	106-97-8	Not available	Not available	Not available
Propane (propellant blend)	74-98-6	Not available	Not available	Not available

12.2 PERSISTENCE AND DEGRADABILITY: No data available.

Component	CAS #	Biodegradation
ethylene glycol monobutyl ether	111-76-2	readily biodegradable
ethanolamine	141-43-5	readily biodegradable
Butane (propellant blend)	106-97-8	Not available
Propane (propellant blend)	74-98-6	Not available

12.3 BIOACCUMULATIVE POTENTIAL: No data available.

Component	CAS #	Partition coefficient n-octanol/water (Kow) (Log)	Bioconcentration factor (BCF)
ethylene glycol monobutyl ether	111-76-2	0.81	< 100
ethanolamine	141-43-5	-1.91	< 100
Butane (propellant blend)	106-97-8	Not available	Not available
Propane (propellant blend)	74-98-6	Not available	Not available

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12.4 MOBILITY IN SOIL: No data available.

Component	CAS #	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
ethylene glycol monobutyl ether	111-76-2	67
ethanolamine	141-43-5	1.17
Butane (propellant blend)	106-97-8	Not available
Propane (propellant blend)	74-98-6	Not available

12.5 RESULTS OF PBT AND vPvB ASSESSMENT: No data available.

12.6 OTHER ADVERSE EFFECTS: No data available.

12.7 ADDITIONAL INFORMATION: No data available.

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 05 04*

14. TRANSPORT INFORMATION

14.1 UN NUMBER: UN1950

14.2 UN PROPER SHIPPING NAME: Aerosols, corrosive

14.3 TRANSPORT HAZARD CLASSES: 2.2, 8

14.4 PACKING GROUP: III

14.5 ENVIRONMENTAL HAZARDS: N/A

14.6 SPECIAL PRECAUTIONS FOR USER:

This product is shipped under Limited Quantity Exception, based on hazard class and package volume.

IMDG

Emergency Schedules (EmS): Fire F-D, Spillage S-U

Stowage and Segregation: Protected from sources of heat. Category A. Segregation as for class 9 but "separated from" class 1 except division 1.4.

Marine Pollutant: None

ADR/RID

Class: 2

Item Number: Not listed

Classification Code 5C

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

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.

16. OTHER INFORMATION
REVISION INFORMATION:

June 15, 2015 - Revisions required per EC 1272/2008.

†Note on dangerous component - Butane (EC# 203-448-7, CAS# 106-97-8) – contains < 0.1% butadiene

FORMULA X™ BASEBOARD GEL STRIPPER**ABBREVIATIONS:**

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

FULL TEXT OF HAZARD STATEMENTS:

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

FULL TEXT OF PRECAUTIONARY STATEMENTS:

P321 Specific treatment (see ... on this label).

P337+313 If eye irritation persists: Get medical advice/attention.

ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation