



# SAFETY DATA SHEET

## 503: CONCENTRATE

Conforms to 1910.1200  
Issued: Dec. 15, 2025  
Supersedes: Aug. 8, 2017

### FORMULA X™ UHP

#### 1: IDENTIFICATION

**Product Name:** Formula X UHP Ultra High Performance Floor Stripper **Product Number:** 503  
**Recommended Use:** Non-ammoniated, ultra high performance stripper  
Concentrate - dilute prior to use.  
Product intended for commercial and industrial use only.  
**Uses Advised Against:** Other than per labelled instructions

#### **Manufacturer Address:**

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

**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

**Classification:** Skin Corrosion - Category 1B  
Eye Damage - Category 1  
Specific Target Organ Toxicity (Single Exposure) - Category 3

**Signal Word:** DANGER

#### **Pictogram:**



#### **Hazard Statements:**

Causes severe skin burns and eye damage.  
Causes serious eye damage.  
May cause respiratory irritation.

#### **Precautionary Statements:**

Do not breathe mist/vapours/spray.  
Use only outdoors or in a well-ventilated area.  
Wash thoroughly after handling.  
Wear protective gloves and eye protection.  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician if you feel unwell.  
Wash contaminated clothing before reuse.  
Store in a well-ventilated place. Keep container tightly closed  
Store locked up.  
Dispose of contents/container according to local, regional, national and international regulations.

**Other Hazards:** None known

**Supplemental Information:** None known



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#### 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
ethylene glycol monobutyl ether	111-76-2	10 - 30
monoethanolamine	141-43-5	5 - 10
propylene glycol monobutyl ether	5131-66-8	5 - 10

\* Exact concentration of the ingredients has been withheld as a trade secret.

#### 4: FIRST AID MEASURES

##### DESCRIPTION OF FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eye with plenty of water for at least 15 minutes. (If easy to do, remove contact lenses, if worn). Seek medical attention.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention.

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

**Ingestion:** Call a physician or poison control center. Do not induce vomiting. Seek medical advice immediately.

##### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

**Eye Contact:** Causes eye burns.

**Skin Contact:** Causes skin burns.

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

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

##### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

#### 5: FIRE-FIGHTING MEASURES

**Suitable Extinguishing media:** Water spray, CO<sub>2</sub> dry chemical, alcohol-type or universal type foams

**Specific Hazards:** Corrosive liquid. (See Sections 8 and 10.) Do not spray a solid stream of water or foam directly in hot liquid. This may cause frothing.

**Protective Equipment and Precautions:** Fire fighters should wear NIOSH approved breathing apparatus. Materials can splatter above 100° C / 212° F

#### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.

**Environment Precautions:** Keep spills and cleaning run-off out of sewers and open bodies of water.

##### CONTAINMENT AND CLEAN-UP

**Small Spills:** Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.

**Large Spills:** 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.

**Waste Disposal:** Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

#### 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** 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.

**Conditions for Safe Storage:** Storage temperature ( Max. 60°C/140°F - Min. 1°C/34°F)

**Other Information:** Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.



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#### 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Exposure Limits:

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
ethylene glycol monobutyl ether	111-76-2	20 ppm (BEI)	-	50 ppm (skin)	-
monoethanolamine	141-43-5	3 ppm	6 ppm	3 ppm	-

##### 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.

##### Personal Protective Equipment (PPE)

**Eye/Face Protection:** Wear eye protection/face protection.

**Skin Protection:** Wear chemical resistant gloves.

**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.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

#### 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Colorless
Odor:	Citrus
Melting Point/Freezing Point:	Data not available
Boiling Point/Boiling Range:	Data not available
Flammability:	Not applicable
Upper/Lower Flammability Limits:	Data not available
Flash Point:	>200 °F / >93 °C
Auto-Ignition Temperature:	Data not available
Decomposition Temperature:	Data not available
pH:	12.2
Viscosity:	<10 centipoise @ 68°F (20°C)
Solubility:	Water soluble
Partition Coefficient:	Data not available
Vapor Pressure:	Data not available
Density:	8.3 lb/gal @ 68°F / 1.0 kg/l @ 20°C
Vapor Density:	Data not available
Particle Characteristics:	Not applicable
VOC:	41.9% (as supplied), 8.2% (1:4), 4.6% (1:8)

#### 10: STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions. Reacts exothermically with acids: release of heat.

**Stability:** Stable under normal conditions.

**Hazardous reactions:** None under normal conditions. Reacts exothermically with acids: release of heat.

**Conditions to avoid:** Improper dilution

**Incompatible materials:** Strong acids and oxidizing agents. Do not mix with other chemicals unless stated on the product label.

**Hazardous decomposition products:** carbon monoxide, carbon dioxide and nitrogen oxides

#### 11: TOXICOLOGICAL INFORMATION

##### HEALTH EFFECTS

**Skin contact:** Causes severe skin burns.

**Eye contact:** Causes serious eye damage.

**Inhalation:** May cause respiratory irritation.

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



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

ATE<sub>mix</sub> (oral): > 2000 mg/kg  
ATE<sub>mix</sub> (dermal): > 2000 mg/kg  
ATE<sub>mix</sub> (inhalation): > 20 mg/l (4 hr/vapour)

**SKIN CORROSION/IRRITATION:** Classified as Skin Corrosion- Category 1.  
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.

#### COMPONENT INFORMATION

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation- (mg/l)
ethylene glycol monobutyl ether	1200	>2000	guinea pig (1hr), >3.1
monoethanolamine	1515	2504	rat (4hr), > 1.3
propylene glycol monobutyl ether	560	3100	Not listed

#### Carcinogenicity:

Component	IARC	NTP	OSHA
ethylene glycol monobutyl ether	IARC 3	Not listed	Not listed

#### 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Ecological testing has not been completed on the mixture.

**Persistence and Degradability:** Data not available.

**Bioaccumulative Potential:** Data not available.

**Mobility in Soil:** Data not available.

**Other Adverse Effects:** Data not available.

#### 13: DISPOSAL CONSIDERATIONS

##### Waste residues or unused products:

Disposal of this material should be in accordance with local, regional and national regulations.

This product, as sold, if discarded or disposed, is a hazardous waste according to 40 CFR 261.

It is the responsibility of the end user to determine, at the time of disposal, if the waste solution meets the criteria for hazardous waste.

**RCRA Hazard Class (as sold):** D002 - Corrosive

#### 14: TRANSPORT INFORMATION

**UN Number:** UN1760

**UN Proper Shipping Name:** Corrosive liquid, n.o.s. (monoethanolamine)

**Hazard Class:** 8

**Packing Group:** III

**Marine Pollutant:** None

**Transport in Bulk:** Product is not transported in bulk.



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### Other Information:

Package volumes <5 L each are shipped as Limited Quantity; as permitted by hazard class and quantity exemption.

### 15: REGULATORY INFORMATION

#### U.S. REGULATIONS/REPORTING:

Ingredient	CAS Number	SARA 302/304	SARA 313	CERCLA
ethylene glycol monobutyl ether	111-76-2	N/L	5% †	Q not assigned

†- listed as Glycol Ethers

#### STATE RIGHT-TO-KNOW STATUS:

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
ethylene glycol monobutyl ether	111-76-2	present	present	present	present
monoethanolamine	141-43-5	present	present	present	present

#### CALIFORNIA PROPOSITION 65:

Components are not present on CA Prop 65 listing.

#### CANADA REGULATIONS/REPORTING:

This product has been classified in accordance with the hazard criteria of the Hazardous Product Regulation (HPR) and the SDS contains the information required by the HPR.

#### NPRI Substance List

Ingredient	CAS Number	Part #	Reporting Threshold
Butoxyethanol	111-76-2	Part 1A	10 tonnes MPO
		Part 5	1 tonne air release

#### 2-Butoxyethanol Regulations

Product diluted per label directions complies to 2-Butoxyethanol Regulation requirements.

Product Category	Dilution Ratio	Concentration Limit
Floor or Baseboard stripper	1:12, 1:16	≤ 2 % (w/w)

### 16: OTHER INFORMATION

#### Abbreviations Used:

ATE <sub>mix</sub>	Acute Toxicity Estimate - mixture
CAS	Chemical Abstract Service Number
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
IARC	International Agency for Research on Cancer
IARC 3	Unclassifiable as to carcinogenicity in humans
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
N230	Glycol ethers, generic class
NPRI	National Pollutant Release Inventory
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
VOC	Volatile Organic Compound

#### Revision Information:

Dec. 15, 2025 - Revisions § 1, 8, 9, 10, 11, 13, 14, 15 & 16

Health:	3
Flammability:	0
Reactivity:	0



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This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

**\*\*IMPORTANT SAFETY INFORMATION\*\*DO NOT DISCARD\*\*PLEASE ROUTE TO COMPANY SAFETY OFFICER\*\***