

# Safety Data Sheet: X-Unloader

Supersedes Date: Not applicable

Issuing Date: 02/12/2020

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** X-Unloader  
**Recommended use** Cutting  
**Information on Manufacturer**  
Partsmaster, Div of NCH Corp.  
P.O. Box 655326  
Dallas, TX 75265-5326

**Product Code:** 7621  
**Chemical nature** No information available  
**Emergency Telephone**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
800-336-0450

## 2. HAZARD IDENTIFICATION

**Color** Brown

**Physical state** Solid

**Odor** Odorless

### GHS

#### Classification

Physical Hazards  
None

Health Hazard  
None

#### Other hazards

Prolonged exposure to elevated noise levels during operations may affect hearing. A greater hazard, in most cases, is the exposure to the dust/fumes from the material or paint/coatings being ground. Most of the dust generated during cutting/grinding is from the base material being ground and the potential hazard from this exposure must be evaluated.

### Labeling

#### Signal Word

Not classified

#### Hazard statements

H333 - May be harmful if inhaled

#### Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood  
P280 - Wear protective gloves, protective clothing, eye protection and face protection.  
P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P260 - Do not breathe dust  
P270 - Do not eat, drink or smoke when using this product  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P333 + P313 - If skin irritation or rash occurs, get medical attention  
P362 - Take off contaminated clothing and wash before reuse.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists, get medical attention.  
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P312 - Call a physician if unwell.  
P308 + P313 - IF exposed or concerned, get medical attention  
P501 - Dispose of contents and container in accordance with applicable regulations

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Aluminum oxide	1344-28-1	50-90
Zirconium oxide	1314-23-4	7-13
Silicon carbide	409-21-2	7-13
Wollastonite (Ca(SiO <sub>3</sub> ))	13983-17-0	3-7
Sodium aluminum fluoride	15096-52-3	0-20
Barium sulfate	7727-43-7	3-7
Pyrate	1309-36-0	1-5
Calcium oxide	1305-78-8	1-5
Fiberglass	65997-17-3	0.1-1.0
Furfuryl alcohol	98-00-0	0.1-1.0

\*The exact percentage (concentration) of composition has been withheld as a trade secret

## 4. FIRST AID MEASURES

<b>General advice</b>	Avoid contact with skin, eyes and clothing. Do not breathe dust.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	If inhaled, remove to fresh air. Have the person blow their nose to remove the substance from nasal passages and keep from inhaling further. Get medical attention if symptoms occur.
<b>Ingestion</b>	No hazards which require special first aid measures.
<b>Notes to physician</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b> Not applicable	<b>Method</b> Not applicable
<b>Upper:</b> Not applicable	<b>Lower:</b> Not applicable
<b>Suitable Extinguishing Media</b>	
Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
<b>Specific hazards arising from the chemical</b>	
None known. Material can create slippery conditions.	
<b>Protective Equipment and Precautions for Firefighters</b>	
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.	
<b>NFPA</b>	<b>Health</b> 1
<b>HMIS -</b>	<b>Health</b> 1
	<b>Flammability</b> 0
	<b>Instability</b> 0
	<b>Flammability</b> 0
	<b>Physical Hazard</b> 0

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Material can create slippery conditions.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Cover powder spill with plastic sheet or tarp to minimize spreading.
<b>Methods for Cleaning Up</b>	Pick up and transfer to properly labeled containers. Pick up and arrange disposal without creating dust.
<b>Neutralizing Agent</b>	Not applicable.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Do not use damaged products. Always refer to ANSI B7.1 for specific instructions for safe operation. Do not use wheels at speeds greater than the product rating. Inspect each wheel for damage prior to mounting.			
<b>Storage</b>	Always refer to ANSI B7.1 for specific instructions for safe storage procedures. Product deterioration is accelerated by storage in damp areas or when exposed directly to water and condensation. Wheels made from resins will deteriorate in strength and performance over time.			
<b>Storage Temperature</b>	<b>Minimum</b>	No information available	<b>Maximum</b>	No information available
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b>
				<b>Refrigerated</b>

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Aluminum oxide	TWA: 1 mg/m <sup>3</sup> respirable particulate matter	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	No data available
Silicon carbide	TWA: 10 mg/m <sup>3</sup> nonfibrous, inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica TWA: 3 mg/m <sup>3</sup> nonfibrous, respirable particulate matter, particulate matter containing no asbestos and <1% crystalline silica TWA: 0.1 fiber/cm <sup>3</sup> respirable fibers, including whiskers, length >5 µm, aspect ratio ≥3:1	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Zirconium oxide	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	STEL 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Wollastonite (Ca(SiO <sub>3</sub> ))	TWA: 1 mg/m <sup>3</sup> inhalable particulate matter, particulate matter containing	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust

	no asbestos and <1% crystalline silica		
Sodium aluminum fluoride	TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>	250 mg/m <sup>3</sup> F TWA: 2.5 mg/m <sup>3</sup>
Barium sulfate	TWA: 5 mg/m <sup>3</sup> inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Pyrate	TWA: 1 mg/m <sup>3</sup>	No data available	TWA: 1 mg/m <sup>3</sup>
Calcium oxide	TWA: 2 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	25 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>
Fiberglass	TWA: 1 fiber/cm <sup>3</sup> respirable fibers: length >5 µm, aspect ratio ≥3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination TWA: 5 mg/m <sup>3</sup> inhalable particulate matter	No data available	No data available
Furfuryl alcohol	TWA: 0.2 ppm Skin	TWA: 50 ppm TWA: 200 mg/m <sup>3</sup>	75 ppm STEL 15 ppm STEL 60 mg/m <sup>3</sup> TWA: 10 ppm TWA: 40 mg/m <sup>3</sup>

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**Personal Protective Equipment****Eye/Face Protection**

Safety glasses with side-shields.

**Skin Protection**

Leather gloves.

**Respiratory Protection**

In case of insufficient ventilation wear suitable respiratory equipment. Wear a MSHA/NIOSH approved respirator if exposure limits are exceeded or where dust exposure are excessive.

**General Hygiene Considerations**

Remove and wash contaminated clothing before re-use. Ensure that eyewash stations and safety showers are close to the workstation location.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	Solid	<b>Viscosity</b>	Not applicable
<b>Color</b>	Brown	<b>Odor</b>	Odorless
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	No data available
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	No data available
<b>Evaporation Rate</b>	Not applicable	<b>Percent Volatile (Volume)</b>	No information available
<b>VOC Content (%)</b>	No information available.	<b>Vapor pressure</b>	No information available
<b>Vapor Density</b>	No data available	<b>Solubility</b>	Insoluble
<b>n-Octanol/Water Partition</b>	No data available	<b>Melting Point/Range</b>	No data available
<b>Decomposition Temperature</b>	No data available	<b>Boiling Point/Range</b>	No data available
<b>Flammability (solid, gas)</b>	No data available		
<b>Flash Point</b>	Not applicable	<b>Method</b>	Not applicable
<b>Autoignition Temperature</b>	No information available.		
Upper: Not applicable Lower: Not applicable			

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under normal conditions. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces, and sources of ignition. Protect from direct sunlight and extremes of temperatures.
<b>Incompatible Products</b>	Avoid alkalis of all types with pH >10.0, Avoid acids of all types with a pH <4.0.
<b>Decomposition Temperature</b>	No data available
<b>Hazardous Decomposition Products</b>	Thermal decomposition -, Phenols, Formaldehyde.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.

**11. TOXICOLOGICAL INFORMATION**

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 No information available

<b>Dermal LD50</b>	No information available
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available
<b>Principle Route of Exposure</b>	Inhalation.
<b>Primary Routes of Entry</b>	Inhalation.
<b>Acute Effects:</b>	
<b>Eyes</b>	Dust may cause abrasive injury to the eye seen as stinging, tearing, redness, or scratching of the cornea.
<b>Skin</b>	Excessive contact may cause mechanical irritation seen as itching and redness.
<b>Inhalation</b>	The dust generated during the use of this product is classified by OSHA as inert dust or nuisance dust and has the same pulmonary effects of inert dust with symptoms that may include soreness of the nose and throat, coughing and sneezing.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Chronic Toxicity</b>	Long term overexposure to respirable dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminishing breath capacity. Most of the dust generated during the sanding is from the base material being worked and the potential hazard from this exposure must be evaluated. For products containing Phenol and Formaldehyde which under excessive exposure may cause skin sensitization and airway obstruction. Excessive exposure to inorganic fluorides have shown to cause excessive calcification of the bones. Prolonged exposure to elevated noise levels during operations may affect hearing.
<b>Target Organ Effects:</b>	Respiratory system, Skin, Eyes, Central nervous system, skeletal system, Gastrointestinal tract, Liver, Kidney.
<b>Aggravated Medical Conditions</b>	Respiratory disorders, Skin disorders, Pulmonary Disorders, Neurological disorders, Liver disorders, Kidney disorders.

## Component Information

**Acute Toxicity**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Aluminum oxide 1344-28-1	> 5000 mg/kg ( Rat )	no data available	No data available	No data available	No data available
Silicon carbide 409-21-2	>2000 mg/kg (Rat)	no data available	No data available	No data available	No data available
Wollastonite (Ca(SiO <sub>3</sub> )) 13983-17-0	> 5000 mg/kg ( Rat )	no data available	No data available	No data available	No data available
Sodium aluminum fluoride 15096-52-3	> 5 g/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 4470 µg/L ( Rat ) 4 h	No data available	No data available
Barium sulfate 7727-43-7	= 307000 mg/kg ( Rat )	no data available	No data available	No data available	No data available
Calcium oxide 1305-78-8	= 500 mg/kg ( Rat )	no data available	No data available	No data available	No data available
Furfuryl alcohol 98-00-0	= 110 mg/kg ( Rat ) = 177 mg/kg ( Rat )	= 3825 mg/kg ( Rat ) = 400 mg/kg ( Rabbit ) = 657 mg/kg ( Rabbit )	= 233 ppm ( Rat ) 4 h	No data available	No data available

**Chronic Toxicity**

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Aluminum oxide 1344-28-1	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system
Zirconium oxide 1314-23-4	No data available	No data available	No data available	No data available	Skin; Respiratory system
Silicon carbide 409-21-2	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system
Wollastonite (Ca(SiO <sub>3</sub> )) 13983-17-0	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system
Sodium aluminum fluoride 15096-52-3	No data available	No data available	No data available	No data available	Skeleton; Skin; Central nervous system; Eyes; Respiratory system; Kidney
Barium sulfate 7727-43-7	No data available	No data available	No data available	No data available	Eyes; Respiratory system
Pyrate 1309-36-0	No data available	No data available	No data available	No data available	Gastrointestinal tract; Skin; Eyes; Respiratory system; Liver
Calcium oxide 1305-78-8	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system
Furfuryl alcohol 98-00-0	No data available	No data available	No data available	No data available	Skin; Central nervous system; Eyes; Respiratory system

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA	Other
Silicon carbide	A2	Group 2A	Not applicable	X	Not applicable

409-21-2					
Wollastonite (Ca(SiO <sub>3</sub> )) 13983-17-0	Not applicable	Group 3	Not applicable	Not applicable	Not applicable
Furfuryl alcohol 98-00-0	A3	Group 2B	Not applicable	X	Not applicable

## 12. ECOLOGICAL INFORMATION

Product Information No information available.

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Calcium oxide	No information available.	LC50 = 1070 mg/L Cyprinus carpio 96 h	No information available	No information available.	N/A
Furfuryl alcohol	No information available.	LC50 = 32 mg/L Pimephales promelas 96 h	No information available	328: 24 h Daphnia magna mg/L EC50	N/A

**Persistence and Degradability**  
**Bioaccumulation**  
**Mobility**

No information available.  
No information available.  
No information available.

## 13. DISPOSAL CONSIDERATIONS

**Product Disposal** Dispose of in accordance with local regulations.  
**Container Disposal** Empty containers should be taken for local recycling, recovery, or waste disposal.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated  
**TDG** Not regulated  
**ICAO** Not regulated  
**IATA** Not regulated  
**IMDG/IMO** Not regulated

## 15. REGULATORY INFORMATION

**Inventories**

**TSCA** Complies  
**DSL** Complies

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values
Aluminum oxide	1344-28-1	50-90	1.0
Barium sulfate	7727-43-7	3-7	1.0

**SARA 311/312 Hazardous Categorization**

See Section 2

**CERCLA** None

**U.S. State Regulations**  
**California Proposition 65**

This product can expose you to chemicals including those listed in the table below, which is [are] known to the State of California to cause either cancer and/or birth defects or other reproductive

harm, (as indicated next to the chemical of concern). For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical name	CAS No.	California Prop. 65
Furfuryl alcohol	98-00-0	carcinogen

#### 16. OTHER INFORMATION

Prepared By: Tamara Womack  
Supersedes Date: Not applicable  
Issuing Date: 02/12/2020  
Reason for Revision: No information available.  
Glossary: No information available.  
List of References: No information available.

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