



# SAFETY DATA SHEET

## 1. Identification

<b>Product Identifier</b>	<b>Earth Worx Nu-Cid</b>	
<b>Other means of identification</b>		
<b>Product code</b>	EW-1800	
<b>Recommended use</b>	Acid replacement bowl cleaner.	
<b>Recommended restrictions</b>	None. Use as directed	
<b>Manufacturer information</b>		
<b>Company name</b>	Chemical Universe, Inc.	
<b>Address</b>	1133 Saline St. North Kansas City, MO 64116	
<b>Telephone</b>	(816) 471-3602	
<b>Fax</b>	(816) 474-3302	
<b>Emergency phone number</b>	PERS	(800) 633-8253
	24 hour Emergency	(800) 633-8253

## 2. Hazard(s) Identification

<b>Physical hazards</b>	Corrosive to metals	
<b>Health hazards</b>	Serious eye damage	Category 1
	Skin irritant	Category 2
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	Not listed.	
<b>Label elements</b>		



<b>Signal word</b>	<b>DANGER</b>
<b>Hazard statement</b>	Causes serious eye damage. Causes skin irritation.
<b>Precautionary statement</b>	
<b>Prevention</b>	Wear eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Wear protective gloves.
<b>Response</b>	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/doctor/medical professional. IF ON SKIN: Wash with plenty of water for at least 15 minutes. Specific treatment (see section 4 on the Safety Data Sheet). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
<b>Storage</b>	Keep containers closed when not in use. Store in secure area away from unauthorized personnel
<b>Disposal</b>	Dispose in accordance with applicable local, state and national rules and regulations
<b>Hazard(s) not otherwise classified (HNOC)</b>	None.
<b>Supplemental information</b>	None.



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## 3. Composition/information on ingredients

Mixtures		
Chemical name	CAS number	%
Organic acid salt (UMHC)	506-89-8	7-12
Amines, tallow alkyl, ethoxylated	61791-26-2	1-5
Amines, n-tallow alkyltrimethylenedi-, ethoxylated	61790-85-0	1-5
2-butoxyethanol	111-76-2	1-5
Other components below reportable levels		78-90

## 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
<b>Eye contact</b>	Rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention. Eye wash stations should be located in work area.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Dermatitis. Rash. May cause an allergic skin reaction.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear appropriate protective equipment and clothing during clean-up. Wear eye/face protection.
<b>Methods and materials for containment and cleaning up</b>	Caution – spillages may be slippery.  Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into appropriate labeled containers. Prevent entry into open waterways, storm sewer, basements or other confined areas.



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Small spills: Wipe up with absorbent material (e.g. cloth, paper wipes). Clean surface thoroughly to remove residual contamination.

Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

## Environmental precautions

Do not release into the open environment (see section 12). Avoid discharge into areas not consistent with package labeling.

## 7. Handling and storage

### Precautions for safe handling

Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Do not store in extreme temperature conditions.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
2-butoxyethanol	PEL	50 ppm

#### US ACGIH Threshold Limit Values

Components	Type	Value
2-butoxyethanol	TWA	20 ppm

### Biological limit values

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Species	Sampling Time
2-butoxyethanol	200 mg/g	Creatinine	Urine	End of shift.

### Appropriate engineering controls

Emergency eye wash stations and showers should be readily accessible. Provide natural or mechanical ventilation.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

Wear appropriate chemical resistant gloves.

##### Other

None.

### Respiratory protection

Respiratory protection not required.

### Thermal hazards

Wear appropriate thermal protective clothing, when conditions warrant.

### General hygiene considerations

When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

#### Physical State

Viscous liquid.



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<b>Color</b>	Blue-green.
<b>Odor</b>	Mint.
<b>Odor threshold</b>	Not available.
<b>pH</b>	0-1
<b>Melting/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	>212°F (100°C)
<b>Flash point</b>	>200°F (97°C)
<b>Evaporation rate</b>	Not available.
<b>Flammability</b>	Not available.
<b>Flammability Limits</b>	
<b>Upper</b>	Not available.
<b>Lower</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity (water=1)</b>	1.01
<b>Solubility in water</b>	Soluble
<b>Partition coefficient (n-octanol/water)</b>	< 0.11 (Estimated)
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Decomposes on heating.
<b>Viscosity</b>	Not available.

### 10. Stability and reactivity

<b>Reactivity</b>	This product is stable and non-reactive under normal conditions of use.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Heat, flames can cause product to decompose.
<b>Incompatible materials</b>	Strong acids, strong bases, strong oxidizing agents.
<b>Hazardous decomposition products</b>	Aldehydes, ketones, organic acids, carbon dioxide, carbon monoxide.

### 11. Toxicological information

<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	Harmful to mucous membranes, will damage tissue if there is prolonged contact.
<b>Inhalation</b>	Expected to be a low inhalation hazard.
<b>Skin contact</b>	Repeated and/or prolonged skin contact may cause irritation and/or burns.
<b>Eye contact</b>	Causes severe eye damage. May cause severe corneal injury.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Dermatitis. Rash. May cause an allergic skin reaction.
<b>Acute toxicity</b>	Expected to have a low toxicity.



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Product Earth Worx Nu-Cid (CAS mixture)		
Exposure Classification	Route and Species	LD <sub>50</sub>
Acute	Oral, rat	7,200 mg/kg (Estimated)

\*Estimates for product may be based on additional component data not shown

<b>Skin corrosion/irritation</b>	Causes moderate skin irritation.	
<b>Serious eye damage/irritation</b>	Causes serious eye damage.	
<b>Respiratory sensitization</b>	Not classified.	
<b>Skin sensitization</b>	Not classified.	
<b>Germ cell mutagenicity</b>	Not classified.	
<b>Carcinogenicity</b>	Not considered a carcinogen.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not Listed.	
<b>Reproductive toxicity</b>	Not classified.	
<b>Specific target organ toxicity – single exposure</b>	Not classified.	
<b>Specific target organ toxicity – repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Not considered an aspiration hazard.	

## 12. Ecological information

Ecotoxicity		
Product Earth Worx Nu-Cid (CAS mixture)		
Aquatic	Species	Test Results
Crustacea	Daphnia	EC <sub>50</sub> (48hr): 20.0 mg/L estimated
Fish	Fathead Minnow	LC <sub>50</sub> (96hr): 20.3 mg/L estimated
Algae	Freshwater	>2,100 mg/L – 92 hour (Estimated)

\*Estimates for product may be based on additional component data not shown

<b>Persistence and degradability</b>	Not available. Chemicals of this class are not expected to be persistent and will degrade readily in an oxic compartment environment
<b>Bio-accumulative potential</b>	No data available. Components are very water-soluble and are not expected to be readily accumulated in biological organisms
<b>Mobility in soil</b>	Not available. Components are water-soluble and would be expected to be moderately mobile in most native soils
<b>Other adverse effects</b>	The pH of this product may cause it to be toxic to aquatic and terrestrial organisms.

## 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Do not release to the environment. The product, as packaged, meets the EPA definition of a corrosive waste (D002) - 40 CFR Part 261 Subpart C
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations
<b>Waste from residues/unused product</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (See: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.



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## 14. Transport information

**DOT** Not regulated as dangerous goods. Not corrosive by test definition. This material is corrosive to aluminum only. Non-Corrosive to Skin & Mild Steel

**Canadian TDG** Corrosive liquid, N.O.S. (Contains urea monohydrochloride)  
Hazard Class: 8  
ID Number: UN 1760  
Packing Group: III

**IATA** Corrosive liquid, N.O.S. (Contains urea monohydrochloride)  
Hazard Class: 8  
ID Number: UN 1760  
Packing Group: III

## 15. Regulatory information

### US Federal regulations

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 304 Emergency release notification

Not listed.

#### SARA 311/312 Hazard Categories

Immediate Hazard - Yes

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

#### SARA 313 (TRI reporting)

2-butoxyethanol (Glycol Ether Category)

#### California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (1/2019)

## 16. Other information, including date of preparation or last revision

**Issue date** 1/19/2015

**Revision date** 1/24/2019

**Version #** 1.1

**HMIS® ratings** Health: 2  
Flammability: 0  
Physical hazard: 0

**NFPA ratings** Health: 2  
Flammability: 0  
Instability: 0

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. The information given is



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designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified by the text.

### **Revision information**

Format update, add Exclamation Point pictogram, update ecological toxicology information. Text changes sections 2.6.7 and 12, Prop 65 notice; Canadian and IATA transport classification inserted.