



# SAFETY DATA SHEET

NON-ACID SCALE REMOVER

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Trade Name (As Labeled): NON-ACID SCALE REMOVER  
 Product Code: N-65  
 Product Use: Toilet Bowl Cleaner  
 Synonyms: N-65  
 Manufacturer: The Clean Environment Company  
 Mailing Address: PO Box 489, Brooklyn, IA 52211  
 Company Website: <http://www.cleanenvironmentco.com>  
 Emergency Phone Number: For First Aid Emergencies, call Poison Control Center at 1-800-222-1222  
 Information Phone Number: 844-606-9558 9 a.m. to 5 p.m. CT Mon - Fri except holidays  
 Prepared By: The Clean Environment Company  
 Company Contact: SDS Coordinator  
 Issue Date: Jan. 20, 2017  
 Revision: 02  
 Revision Date: May 16, 2017

## SECTION 2 HAZARDS IDENTIFICATION

Hazardous Materials Identification System (HMIS) Rating Legend: 4-Severe, 3-Serious, 2-Moderate, 1-Slight, 0-Minimal  Personal Protection Index: See Section 16	<b>HEALTH</b>	2
	<b>FLAMMABILITY</b>	0
	<b>PHYSICAL HAZARDS</b>	2
	<b>PERSONAL PROTECTION</b>	B

Hazards Classification			
U.S.A.	This product is considered hazardous under the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).		
Global Harmonization System			
Hazard Statements	Category	Signal Word	Pictogram
May be corrosive to metals	Corrosive to Metals, Category 1	WARNING	
Harmful if swallowed	Acute Toxicity-Oral, Category 4	WARNING	
Causes serious eye irritation	Eye Damage/Irritation, Category 1	WARNING	
Precautionary Statements			
General	Keep out of reach of children.		
Prevention	Keep only in original container. Wash hands and any contacted skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye or face protection such as safety glasses with side shields, goggles or face shield.		
Response	Absorb spillage to prevent material damage. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.		



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	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	Store in corrosive resistant containers such as fiberglass, polyethylene, polypropylene or containers with a resistant inner liner.
Disposal	Dispose of contents and container in accordance with local, state, and federal regulations.
Hazards Not Otherwise Classified (HNOC)	None known
Percent Ingredients With Unknown Acute Toxicity	Less than 0.001% of product contains ingredients of unknown acute oral toxicity. Refer to Section 3.

## SECTION 3 COMPOSITION & INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	% by wt. <sup>1</sup>	LD50, Rat
Aqua (Water)	7732-18-5	85 - 95	Not applicable
Urea Monohydrochloride	506-89-8	5 - 10	1121 mg/kg
Lauryl Polyglucose Surfactant	110615-47-9	1 - 5	>5000 mg/kg
Ethoxylated Alcohol Surfactant Blend	Proprietary	0.3 - 1.0	1378 mg/kg
Xanthan Gum	11138-66-2	0.3 - 1.0	>5000 mg/kg
Acid Red Dye # 27	915-67-3	<0.001	Not available.

<sup>1</sup>Where ranges are shown, the exact concentration has been withheld as a trade secret.

## SECTION 4 FIRST AID MEASURES

Eyes:	Immediately flush with water for 15 minutes. If contacts are present, remove after first 5 minutes of flushing and continue flushing for 15 minutes. If irritation persists, have eyes examined and treated by medical personnel.
Skin:	Wash thoroughly with soap and water. Call a physician if irritation persists.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Ingestion:	<b>NEVER</b> give anything by mouth if victim is unconscious. Have victim drink water to dilute. Do not induce vomiting unless advised by a physician or poison control center. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call Poison Control at 1-800-222-1222.

## SECTION 5 FIRE FIGHTING MEASURES

Flash Point:	Not available.
Extinguishing Media:	As appropriate for surrounding fire. Use dry chemical, CO2, water, or foam extinguisher.
Special Fire Fighting Procedures:	Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.
Unusual Fire and Explosion Hazards:	At temperatures above 60°C/140°F acid action on most metals may

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	release hydrogen, a highly flammable and explosive gas.
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## SECTION 6 ACCIDENTAL RELEASE MEASURES

Precautions for Responders	
Industrial Setting	Wear appropriate Personal Protective Equipment. See Sec. 8
Spill Containment and Clean-up	
Industrial Setting	Before attempting containment and cleanup, refer to hazard data given. Wet product may be a slip hazard. Stop spill or release at source and contain material. Any disposal practice must be in compliance with local, state, and federal regulations.
Consumer / Household Setting	Small spills can be picked up with absorbent media such as paper towels and disposed of in household trash. Recovered liquid can be disposed of by diluting with large quantity of water and flushing into sanitary sewer.

## SECTION 7 HANDLING AND STORAGE

Handling	
Industrial Setting	Wear appropriate Personal Protective Equipment (see Section 8).
Consumer / Household Setting	Use as directed on product label.
Storage	Store in original, labeled container. Keep container closed when not in use. Should be stored between 40° and 100°F in order to insure long life of product.
Other	KEEP OUT OF REACH OF CHILDREN AND PETS.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits	None known
Engineering Controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Personal Protective Equipment (PPE)	
Industrial Setting	
Eye Protection	Wear eye or face protection such as safety glasses with side shields, goggles or face shield.
Skin Protection	Chemical-resistant, impervious gloves may be worn for protection.
Respiratory Protection	Not required under normal conditions. Good general ventilation required.
Consumer / Household Setting	If splashing or spray mists are a possibility, wear eye protection such as safety glasses or goggles.
Other Measures	Handle in accordance with good industrial hygiene and safety practices.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Red
Clarity	Cloudy
Odor	Non-specific.
Odor Threshold	Not available.
pH	2.0
Melting Point	Not available.
Freezing Point	Not available.



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Initial Boiling Point and Boiling Range	Not available.
Flash Point	Not available.
Evaporation Rate	Not available.
Upper Explosive Limit (UEL)	Not applicable.
Lower Explosive Limit (LEL)	Not applicable.
Vapor Pressure (mmHg)	Not available.
Relative Density (H <sub>2</sub> O = 1)	.998–1.002
Vapor Density (Air = 1)	Not available.
Solubility in Water	Miscible
Partition Coefficient: n-octonal/water	Not available.
Viscosity	Not available.
VOC (weight %)	0

## SECTION 10 STABILITY AND REACTIVITY

Reactivity	Not available.
Chemical Stability	Stable
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	None known.
Incompatible Materials	
Industrial Setting	Reactive or incompatible with the following materials: oxidizing materials. This material may be extremely hazardous in contact with chlorates and nitrates. Contact with hypochlorites (eg. Chlorine bleach, sulfides or cyanides) will liberate toxic gases. Contact with alkaline materials (eg. Aqua ammonia) will generate heat.
Consumer / Household Setting	Cleaning products should not be mixed with other household chemicals, unless specifically stated in the directions for use.
Hazardous Decomposition Products	None known.

## SECTION 11 TOXICOLOGICAL INFORMATION

Potential Routes of Exposure	Eyes, Skin, Ingestion
Effects of Acute Exposure	
Oral Toxicity	LD50>1121 mg/kg, estimated based on ingredients.
Dermal Toxicity	Not available.
Inhalation Toxicity	Not available.
Eye Contact	Serious eye damage.
Skin Contact	Non-irritant.
Component Information	Refer to Section 3 for ingredient LD50 (acute oral toxicity).
Effects of Chronic Exposure	Not expected to have chronic health effects.
Sensitization	Not expected to be a sensitizer, based on literature of products containing similar ingredients.
Carcinogenicity	Not expected to have chronic health effects.
NTP	No ingredients listed.
IARC	No ingredients listed.
OSHA	No ingredients listed.
Reproductive Effects	Not expected to have chronic health effects.
Teratogenicity	Not expected to have chronic health effects.
Mutagenicity	Not expected to have chronic health effects.



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Target Organ Effects	Not expected to have chronic health effects.
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## SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Persistence and Degradability	This product is expected to be biodegradable based on ingredients.
Bioaccumulative Potential	Not known.
Mobility in Soil	Not known.
Environmental Fate	Not known, but no adverse effects expected.

## SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal	Dispose of in accordance with federal, state, and local regulations. It is the responsibility of the end-user to determine at the time of disposal of the product.
Industrial Setting	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Consumer / Household Setting	Residue remaining in container may be diluted with plenty of water and disposed of via household drain to sanitary sewer. Quantities greater than residue should be diluted with water and disposed via sanitary sewer. Rinsed container may be recycled or placed in household trash for disposal.
EPA Hazardous Waste Number:	None.
EPA Hazard Waste Class:	None.
Empty Containers	Recycle containers when available, otherwise discard in trash.

## SECTION 14 TRANSPORT INFORMATION

U.S. DOT (Surface Transport)	Not regulated.
IATA (Air Transport)	1760: Corrosive liquid N.O.S. (urea monohydrochloride) Hazard Class: 8 Packing Group: III This material is corrosive to aluminum only. Not corrosive to mild steel or skin.
	1760: Corrosive liquid N.O.S. (urea monohydrochloride)



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IMDG (Marine Transport)	Hazard Class: 8 Packing Group: III This material is corrosive to aluminum only. Not corrosive to mild steel or skin.
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## SECTION 15 REGULATORY INFORMATION

TSCA	All components of this product are listed or exempted from the inventory requirements of the U.S. Toxic Substances Control Act (TSCA).
SARA 313	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
CERCLA	This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.
Clean Air Act, Sec. 112	This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.
Clean Water Act	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)
California Proposition 65	This product is not subject to warning labeling under California Proposition 65.

## SECTION 16 OTHER INFORMATION

### ABBREVIATIONS

~	Approximately
<	Less than
>	Greater than
≤	Less than or equal to
CERCLA	The Comprehensive Environmental Response, Compensation, and Liability Act
EPA	Environmental Protection Agency
HMIS	Hazardous Materials Information System
GHS	The Globally Harmonized System of Classification and Labelling of Chemicals
IARC	International Agency for Research on Cancer
NA	Not Applicable
NDA	No Data Available
NFPA	National Fire Protection Association
NI	Not Indicated
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PPE	Personal Protection Equipment



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SDS	Safety Data Sheet
TSCA	Toxic Substances Control Act

PERSONAL PROTECTION INDEX			
A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions

## SECTION 16 (continued)

SDS Prepared By	The Clean Environment Co.
Issue Date	Jan. 20, 2017
Revision	02
Revision Date	May 16, 2017
Revision Note(s)	Revised format per 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Disclaimer:

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**End of Safety Data Sheet**