

Nu-Tech Cleaning Systems

SAFETY DATA SHEET

NTC-312 –Wax Off – Removes Floor Finish

Date: 12-2-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Wax Off – Removes Floor Finish

Other Means of Identification

Product Code NTC-312

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Floor finish and floor sealer remover
Uses Advised Against For industrial and commercial use only.

Details of the Supplier of the Safety Data Sheet

Manufactured for Address Nu-Tech Cleaning Systems
3784 11 Mile Rd.
Berkley, MI 48072

Emergency Telephone Number

Company Phone Number 248-548-5211
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category 4
Skin Corrosion/Irritation	Category 1 Sub-category B
Serious Eye Damage/Eye Irritation	Category 1

Signal Word

DANGER

Hazard Statements

Harmful if swallowed
Causes severe skin burns and eye damage
May cause respiratory irritation. May cause drowsiness or dizziness



Appearance Clear liquid

Physical State Liquid

Odor Characteristic

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Do not breathe fumes/mist/vapors/spray
 Wear protective gloves/protective clothing/eye protection/face protection
 Use only in a well-ventilated area

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Seek medical attention if irritation occurs.
IF ON SKIN: Immediately remove all contaminated clothing. Flush skin with water/shower. Seek medical attention if irritation occurs. Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Get medical attention if irritation occurs
IF SWALLOWED: Immediately call a local poison control center or physician for treatment advice. Rinse mouth

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed and in an upright position.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Monoethanolamine	141-43-5	10 - 20
2-Butoxyethanol	111-76-2	10 - 20
Potassium hydroxide	1310-58-3	0 - 10

4. FIRST AID MEASURES

First Aid Measures

- General Advice** If exposed or concern: Get IMMEDIATE medical attention.
- Inhalation** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if irritation occurs.
- Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation occurs.
- Ingestion** Rinse mouth. Do NOT induce vomiting. Get medical attention immediately.
- Skin Contact** Wash with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation occurs.

Most Important Symptoms and Effects, both Acute and Delayed

- Symptoms** Causes eye irritation. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

Indication of any Immediate Medical Attention and Special Treatment Needed

- Note to Physicians** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water. Suitable material for primary source of fire.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO2).

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Do not breathe fumes/mist/vapors/spray. Wear protective gloves/protective clothing and eye/face protection.

Environmental Precautions Prevent entry into waterways, sewer, basements or confined areas

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Absorb spilled material and sweep up.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes or clothing. Remove contaminated clothing and shoes. Wash thoroughly with soap and water after handling. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Do not breathe fumes/mist/vapors/spray.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store locked up. Store in a cool, dry, well-ventilated place. Keep container tightly closed and in upright position. Keep out of the reach of children.

Incompatible Materials Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³	TWA: 5 ppm TWA: 24 mg/m ³
Potassium hydroxide 1310-58-3	2 mg/m ³	2 mg/m ³	2 mg/m ³

Appropriate Engineering Controls

Engineering Controls Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Face shield and chemical anti-splash safety goggles. Avoid contact with eyes.

Skin and Body Protection Rubber gloves or other impervious gloves. Avoid contact with skin.

Respiratory Protection No protective equipment is needed under normal use conditions. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Take off all contaminated clothing and wash it before reuse. Wash face, hands and any exposed skin thoroughly after handling. Avoid contact with eyes, skin and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Characteristic
Appearance	Clear liquid	Odor Threshold	Not determined
Color	Clear		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	13.0-13.5		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	Not determined		
Flash Point	> 93.3 °C / > 200 °F		
Evaporation Rate	1	Tag Closed Cup	(Water = 1)
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Specific Gravity	1.027		
Water Solubility	Completely soluble		

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under normal conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Excessive heat and contamination of any kind.

Incompatible Materials
Strong acids.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO2). These products may be produced by burning.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation	May cause respiratory irritation. May cause drowsiness or dizziness.
Eye Contact	Causes severe eye damage.
Skin Contact	Causes severe skin burns. May be harmful in contact with skin.
Ingestion	Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Monoethanolamine 141-43-5	1515 mg/kg (Rat)	2504 mg/kg (Rabbit)	>1.3 mg/l (Rat)
2-Butoxyethanol 111-76-2	745 mg/kg (Rat)	1250 mg/kg (Rat)	550 ppm (Rat) 4 h
Potassium hydroxide 1310-58-3	273 mg/kg (Rat)	-	-

Information on Physical, Chemical and Toxicological Effects

Symptoms	Causes eye irritation. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness.
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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Skin Corrosion/Irritation	Causes severe skin burns.
Serious Eye Damage/Eye Irritation	Causes severe eye damage.
Carcinogenicity	No components of this product present at levels greater than or equal to 0.1% is identified a probable, possible or confirmed human carcinogen by IARC, ACGIH, OSHA, or NTP.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Monoethanolamine 141-43-5	EC50 Desmodesmus subspicatus 15 mg/L 72 h	LC50 Pimephales promelas 227 mg/L 96 h		EC50 Daphnia magna 65: mg/L 48 h
2-Butoxyethanol 111-76-2		LC50 Lepomis macrochirus 1490 mg/L 96 h		EC50 Daphnia magna 1940 mg/L 24 h
Potassium hydroxide 1310-58-3		LC50 Gambusia affinis 80 mg/L 96 h		

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	UN1814
Proper Shipping Name	Potassium hydroxide, solution
Hazard Class	8
Packing Group	II
Reportable Quantity (RQ)	Potassium hydroxide (1000 lbs)
Special Provisions	B2, IB2, T7, TP2

IATA

UN/ID No	UN1814
Proper Shipping Name	Potassium hydroxide, solution
Hazard Class	8
Packing Group	II
ERG Code	8L
Special Provisions	A3

IMDG

UN/ID No	UN1814
Proper Shipping Name	Potassium hydroxide, solution
Hazard Class	8
Packing Group	II

15. REGULATORY INFORMATION

International Inventories

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory	Yes
DSL	Canadian Domestic Substances List	Yes
NDSL	Non-Domestic Substances List	No
EINECS	European Inventory of Existing Chemical Substances	Yes
ELINCS	European List of Notified Chemical Substances	No
ENCS	Japan Existing and New Chemical Substances	Yes
IECSC	China Inventory of Existing Chemical Substances	Yes
KECL	Korean Existing and Evaluated Chemical Substances	Yes

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PICCS	Philippines Inventory of Chemicals and Chemical Substances	Yes
New Zealand	New Zealand Inventory	Yes

US Federal Regulations

CERCLA Reportable Quantity

The following components are listed:

Chemical Name	CAS Number	CERCLA RQ
Sodium Hydroxide	1310-73-2	1000 lbs.

SARA 313

No ingredients of this product contain chemical (s) that are subject to reporting levels established by SARA Title III, Section 313:

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Monoethanolamine 141-43-5	X	X	X
2-Butoxyethanol 111-76-2	X	X	X
Potassium hydroxide 1310-58-3	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	2	0	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	2	0	0	B

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is 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 relates 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 in the text.

End of Safety Data Sheet