

Material Safety Data Sheet E-Degrease

Section 1. Chemical Product and Company Identification

Product Name	E-Degrease	
Product Number	NTAL ED	
Manufacturer/ Supplier	NuTech Specialties, Inc. 9811 So. 6150 W. West Jordan, UT 84088	
Phone Number	(801) 253-1000 (Mon-Fri/ 8am- 5pm MT)	
D.O.T. Emergency Phone:	1-800-633-8253	
Date of Preparation	September 28, 2012	Revision Number 1.0

Section 2. Hazards Identification

Emergency overview This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

DANGER!

Keep out of reach of children.
Keep container closed during storage. For institutional and commercial use.

Potential Acute Health Effects Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Non-corrosive for skin. Non-hazardous in case of inhalation.

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Eyes Corrosive to the eyes

Skin De-fatting of the skin

Inhalation Frequent overexposure may cause kidney stones

Ingestion Gastrointestinal irritation

Medical conditions aggravated by exposure: Frequent overexposure may cause kidney stones

Potential Chronic Health Not available

Carcinogenic Effects Target Organs Frequent overexposure may cause kidney stones

Environmental Effects Not available

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Solvents-Glycol N-Butyl Ether		<7%		50/20
Disodium Trioxosilicate		<15%		
Ammonium Hydroxide		<1%		
DO NOT MIX THIS PRODUCT WITH ANYTHING OTHER THAN WATER				

Section 4. First Aid Measures

Eye Contact	flush eyes with running water for at least 15 minutes. Get medical attention
Skin Contact	Wash gently and thoroughly the contaminated skin with a solution of water and vinegar
Inhalation	Get to fresh air. If breathing is difficult, give oxygen. Seek medical attention.
Ingestion	Drink large volumes of water, then a solution of water and vinegar or other mild acid fruit juice. DO NOT induce vomiting. Seek immediate medical attention.
General Advice	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
Notes to Physician	Not available

Section 5. Fire Fighting Measures

Flammability	No specific information is available in our database regarding the flammability of this product is presence of various materials.
Fire Fighting Media and instructions	Water
Products of Combustion	Not available
Special Remarks on Fire Hazards	None
Special Remarks on Explosion Hazards	None
Sensitivity to Mechanical Impact	N/A
Sensitivity to Static Discharge	N/A
Protection of Fire Fighters	See special remarks on Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Methods for Containment	Contain and/or absorb spill with inert material, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Environmental Precautions	This material must be disposed of in accordance with local, state, provincial, and federal regulations.

Methods for Clean Up Soak into absorbent material. Spill of this material are a slipping hazard. Thoroughly wash the area with water after a spill or leak.

Section 7. Handling and Storage

Precautions Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.

Incompatibility Acid Products

Storage Corrosive materials should be stored in a separate safety storage cabinet or room. Keep out of reach of children. For Institutional and Commercial Use

Keep out of reach of children.
Keep container closed during storage. Ensure that eyewash stations and safety showers are proximal to the work station location. S24/25- Avoid contact with skin and eyes.

Section 8. Exposure Controls/Personal Protection

Engineering Controls

Personal Protection Good general ventilation should be sufficient to control airborne levels.

Eyes Splash goggles or Face Shield.

Body Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.

Respiratory Wear appropriate respirator when ventilation is inadequate.

Hands Rubber gloves

Protective Clothing (Pictograms)



Exposure Limits

Sodium Hydroxide

TWA: $2 (mg / m^3)$ from OSHA (PEL)

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance Yellow Liquid

Molecular Weight N/A

Ph 13

Boiling/Condensation Point 200 F

Melting/Freezing Point	N/A
Critical Temperature	N/A
Instability Temperature	N/A
Specific Gravity	(H2O = 1): 1.077
Vapor Pressure	(Non-Aerosols) (mm Hg and Temperature): N/A
Vapor Density	(Air = 1)
Volatility	N/A
VOC	N/A
Evaporation Rate	(H2O = 1): 0.85
Dispersion Properties	N/A
Solubility	Complete in water
The Product is:	
Auto-ignition Temperature	N/A
Flash Points	N/A
Flammable Limits	N/A
Fire Hazards in Presence Of Various Substances	N/A
Explosion Hazards in Presence of Various Substances	N/A
Odor	Chemical
Color	Yellow

Section 10. Stability and Reactivity Data
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Stability	The product is stable.
Incompatibility with Various Substance	Product will be neutralized if contacted by acid products
Hazardous Decomposition Products	Not available

Section 11. Toxicological Information
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Routes of Entry	Skin Contact. Ingestion. Eye Contact.
Toxicity to Animals	
Acute Effects on Humans	
Eyes	Corrosive to the eyes
Skin	De-fatting of the skin

Inhalation	Frequent overexposure may cause kidney stones
Ingestion	Gastrointestinal irritation
Chronic Effects on Humans	Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.
Special Remarks on Toxicity to Animals	No additional remark
Special Remarks on Chronic Effects on Humans	No additional remark

Section 12. Ecological Information

Ecotoxicity	May cause long-term adverse effects in the aquatic environment.
BOD5 and COD	Not available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available
Special Remarks on the Products of Biodegradation	Not available

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available

Section 14. Transport Information

DOT (U.S.A.) (Pictograms)	Not DOT regulated
TDG Classification	N/A
PIN UN, Proper Shipping Name, PG	Shipping Name: Not regulated
Maritime Transportation	Not a "marine pollutant"
Special Provisions for Transport	Not available

Section 15. Regulatory Information and Pictograms

Regulatory Lists	No products were found.
Other Regulations	Not available, or of its ingredients
Other Classifications	HCS (U.S.A.) Not controlled under HCS (United States)

USA Regulatory Lists This product does NOT contain components that are known to the state of California to Cause Cancer or Reproductive Harm at or above California Prop 65 No Observable Effect Level (NOEL)
 SARA 302 Extremely Hazardous Substances - Not listed
 SARA 311 - 1. Immediate (acute) health hazard
 2. Delayed (chronic) health hazard
 SARA 313 Toxic Chemical List – Not listed

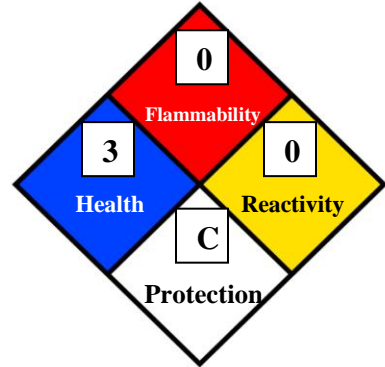
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No Products were found.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



WHMIS (Classification) Not controlled under WHMIS (Canada).

The Hazard Ranking systems presented on this MSDS sheet provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Expiry Date 3 (Three Years) from the date of preparation indicated in Section 1

Validated by _____ **Verified by** _____

Information Contact _____ **Printed** _____

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on _____ **NuTech Specialties, Inc.**