

Material Safety Data Sheet Purple Thunder II

Section 1. Chemical Product and Company Identification

Product Name	Purple Thunder 2	
Product Number	NTAL PTH2	
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 25, 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. Ensure that eyewash stations and safety showers are proximal to the work-station location. S24/25- Avoid contact with skin and eyes.	
Potential Acute Health Effects	May cause eye irritation, de-fatting of the skin Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.
Routes of Entry	Ingestion, eye contact.
Eyes	Corrosive to the eyes
Skin	De-fatting of the skin
Inhalation	Causes no adverse effects
Ingestion	May cause gastrointestinal irritation
Medical conditions aggravated by exposure:	Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: lung (of example, asthma-like conditions), liver, and kidney.
Potential Chronic Health	None
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Target Organs	Acute lethal exposure to ethylene glycol monobutyl either in animal studies has resulted in congestion of organs including kidney, spleen, and lung. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, blood abnormalities.
Environmental Effects	Not available

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
SOLVENT-BUTYL CELLOSOLVE	111-76-2	>7	25	25
CAUSING SODA-LIGUID	1310-73-2	>3	2MG/M3	2MG/M3
SODIUM METASILICATE	6834-92-0	>2	NONE	NONE
ALKANOLAMINE	141-43-5	>1		

Section 4. First Aid Measures

Eye Contact	Corrosive to the eyes, flush eyes with running water for at least 15 minutes, keeping eyelids open.
Skin Contact	Wash gently and thoroughly the contaminated skin with running water and vinegar.
Inhalation	
Ingestion	Drink large volumes of water, then a solution of water and vinegar or other mildly acid fruit juice. DO NOT INDUCE VOMITING
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	Not available
Products of Combustion	Not available
Special Remarks on Fire Hazards	Not available
Special Remarks on Explosion Hazards	Not available
Sensitivity to Mechanical Impact	Not available
Sensitivity to Static Discharge	Not available
Protection of Fire Fighters	See special remarks on Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions	Face shield. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Methods for Containment	Absorb with an in inert material and put the spilled material in an appropriate waste disposal.
Environmental Precautions	Consult local authorities for approved method of container disposal. Read label instructions carefully before using.

Methods for Clean Up

See Methods for Containment

Section 7. Handling and Storage

Precautions	Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
Incompatibility	Strong acids
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 Adequate general ventilation should be sufficient to control airborne levels.

Eyes Splash goggles

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 Not required

Hands Rubber gloves

Protective Clothing (Pictograms) Apron



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	Purple liquid
Molecular Weight	N/A
pH	13
Boiling/Condensation Point	200F

Melting/Freezing Point	<32 F
Critical Temperature	N/A
Instability Temperature	>212 F
Specific Gravity	(H2O = 1): 1.077
Vapor Pressure	(Non-Aerosols)(mm Hg and Temperature)
Vapor Density	(Air = 1)
Solubility in Water	Complete in water
VOC	N/A
Evaporation Rate	(H2O = 1) 0.85
Dispersion Properties	N/A
Solubility	Complete in water
The Product is:	Alkaline Liquid
Auto-ignition Temperature	N/A
Flash Points	None below 212 F
Flammable Limits	None below 212 F
Fire Hazards in Presence Of Various Substances	N/A
Explosion Hazards in Presence of Various Substances	N/A
Odor	Slight sassafras odor
Color	Purple

Section 10. Stability and Reactivity Data

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

Routes of Entry	Ingestion, and eye contact.
Toxicity to Animals	Per oral (Glycol Ether EB) {Rat} LD-50 (470-3000) MG/K9
Acute Effects on Humans	Acute oral toxicity (LD50): 140 mg/kg {Rat}. (Sodium Hydroxide)
Eyes	Corrosive to the eyes
Skin	De-fatting of the skin.

Inhalation	Causes no adverse effects
Ingestion	May cause gastrointestinal irritation
Chronic Effects on Humans	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Special Remarks on Toxicity to Animals	No additional remark
Special Remarks on Chronic Effects on Humans	No additional remark

Section 12. Ecological Information

Ecotoxicity	Not available
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	If spilled, contain spill and dilute with clean water, wash all surfaces with clean water. For disposal, dilute with large volumes of water and flush to sewer.
Waste Stream	Not available

Section 14. Transport Information

DOT (U.S.A.) (Pictograms)	Not regulated
TDG Classification	This product is not regulated by DOT
PIN UN, Proper Shipping Name, PG	Not available
Maritime Transportation	None
Special Provisions for Transport	Not available

Section 15. Regulatory Information and Pictograms

Regulatory Lists	No products were found.	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
Other Classifications	HCS (U.S.A.)	HCS Class: Corrosive Liquid. HCS Class: Toxic.
	USA Regulatory	This product does NOT contain components that are known to the state of

Lists 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

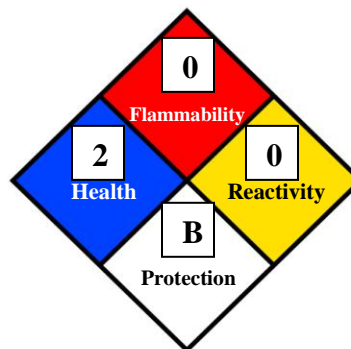
DSD (EEC) R22- Harmful if swallowed.
 R35- Causes severe burns.

International Regulations Lists No Products were found.

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



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



WHMIS (Classification) WHMIS CLASS E: Corrosive Liquid. WHMIS CLASS D-1: Material causing immediate and serious toxic effects.

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** _____

Printed

Information Contact

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.**