

Material Safety Data Sheet Purple Tornado HS PF Concentrated Degreaser

Section 1. Chemical Product and Company Identification

Product Name	Purple Tornado HS PF Concentrated Degreaser	
Product Number	NTAL PTHSPF	
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	October 19, 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 Eye irritation

Skin May cause redness, edema, drying, de-fatting and cracking of the skin

Inhalation No adverse effects

Ingestion Gastrointestinal irritation

Medical conditions aggravated by exposure: Because of its irritating properties, product may aggravate preexisting skin, eye, and respiratory conditions.

Potential Chronic Health Skin, Lung (Example: Asthma)

Carcinogenic Effects Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Target Organs Skin, eyes, gastrointestinal tract and respiratory system.
This product is a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200

Environmental Effects May cause long-term adverse effects in the aquatic environment. See Section 12 for more information

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Disodium Trioxosilicate	6834-92-0	<10%		
Glycol Ether EB	111-76-2	<5%	50	2

Section 4. First Aid Measures

Eye Contact	Flush with water for 15 minutes
Skin Contact	Flush with water for 15 minutes
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	If swallowed, drink large amounts of water then a solution of water and vinegar or other mild acid fruit juice. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek 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	Symptoms may not appear immediately.

Section 5. Fire Fighting Measures

Flammability	Not available by OSHA criteria
Fire Fighting Media and instructions	Not available, treat for surrounding material.
Products of Combustion	May include, and are not limited to: Oxides of potassium.
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	Not available
Sensitivity to Mechanical Impact	Not available
Sensitivity to Static Discharge	N/A
Protection of Fire Fighters	Keep upwind of fire. Wear full fire fighting turn-out gear (full bunker gear) and respiratory protection (SCBA)

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 spill and dilute with water. Wash all surfaces with water
Environmental Precautions	This material must be disposed of in accordance with local, state, provincial, and federal regulations. Dilute with large volumes of water and flush to sewer

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. DO NOT swallow. DO NOT breathe gas / fumes / vapor / spray. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking. After handling always wash hands thoroughly with soap and water.

Incompatibility No incompatible product according to our data base

Storage Keep out of the reach of children. Not for use or storage in or around the home. Keep container tightly closed, keep contents from freezing.

Keep out of reach of children.
Keep container closed during storage.

Section 8. Exposure Controls/Personal Protection

Engineering Controls

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

Eyes Safety glasses or goggles are recommended

Body Wear suitable protective clothing.

Respiratory None required

Hands Rubber gloves

Protective Clothing (Pictograms)



Exposure Limits See Section 2 For Applicable Exposure Limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance Purple 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): N/A
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	Purple

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substance	Product will be neutralized if contacted with water
Hazardous Decomposition Products	None

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion
Toxicity to Animals	
Acute Effects on Humans	
Eyes	Eye irritation
Skin	May cause redness, edema, drying, de-fatting and cracking of the skin
Inhalation	No adverse effects

Ingestion	Gastrointestinal irritation
Chronic Effects on Humans	Skin, Lung (Example: Asthma)
Special Remarks on Toxicity to Animals	Not available
Special Remarks on Chronic Effects on Humans	Not available

Section 12. Ecological Information

Ecotoxicity	Toxic in concentrated form, due to high PH practically non toxic in diluted or neutralized form
BOD5 and COD	Not available
Products of Biodegradation	Toxic in concentrated form, due to high PH practically non toxic in diluted or neutralized form
Toxicity of the Products of Biodegradation	Product id practically non toxic
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)	
TDG Classification	Not controlled under TDG (Canada)
PIN UN, Proper Shipping Name, PG	Not applicable
Maritime Transportation	Not available
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

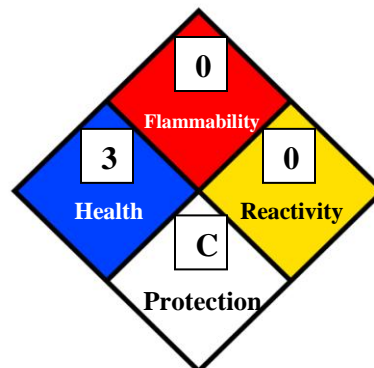
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No Products were found.

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

HEALTH	3
FIRE	0
REACTIVITY	0

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**

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.**