

Material Safety Data Sheet Flash HTC Spray CAB

Section 1. Chemical Product and Company Identification

Product Name	Flash HTC Spray CAB	
Product Number	NTP HTCF	
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 18, 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** Corrosive to the skin and eye tissue

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

Eyes Corrosive to the eyes

Skin Powder and solutions are corrosive to human tissue

Inhalation Can cause irritation

Ingestion Can cause irritation and damage

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

Potential Chronic Health There is no known effect from chronic exposure to this product.

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
Sodium Hydroxide	1310-73-2	20-30	2mg/m ³	2mg/ms
Tetra Potassium Pyro Phosphate	7320-34-5	30-40	5mg/m ³	3mg/m ³
Disodium Trioxosilicate	6834-92-0	30-40	N/A	

Section 4. First Aid Measures

Eye Contact	In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
Skin Contact	In case of contact with skin rinse area with clear water until slippery feel is gone. Rinse with vinegar or 5% acetic solution
Inhalation	Remove to fresh air
Ingestion	if swallowed, DO NOT induce vomiting. Drink 4-5 glasses of water and seek medical attention. 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	Non flammable
Fire Fighting Media and instructions	All usual types
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	If clean return to drum. If dirty sweep up and dispose of in trash; or flush with water
Environmental	This material must be disposed of in accordance with local, state, provincial, and federal

Precautions	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. DO NOT swallow. 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	Strong Acids, Powdered Metals
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 Drum covered when not in use to prevent contamination.

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

Body Wear suitable protective clothing.

Respiratory Adequate ventilation

Hands Gloves

Protective Clothing (Pictograms)



Exposure Limits See Section 2 For Applicable Exposure Limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	White Granular
Molecular Weight	N/A
Ph	13
Boiling/Condensation Point	N/A

Melting/Freezing Point	N/A
Critical Temperature	N/A
Instability Temperature	N/A
Specific Gravity	(H2O = 1): N/A
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	Soluble in water
The Product is:	Caustic Powder
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	N/A
Color	White

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substance	Avoid contact with strong acids
Hazardous Decomposition Products	Thermal decomposition produces traces oxides of phosphorus and carbon

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion
Toxicity to Animals	
Acute Effects on Humans Eyes	Corrosive to eyes
Skin	Powder and solutions are corrosive to human tissue
Inhalation	None

Ingestion	Can cause irritation and damage
Chronic Effects on Humans	There is no known effect from chronic exposure to this product.
Special Remarks on Toxicity to Animals	Not available
Special Remarks on Chronic Effects on Humans	Not available

Section 12. Ecological Information

Ecotoxicity	Highly toxic in concentrated form
BOD5 and COD	Not available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely.
Toxicity of the Products of Biodegradation	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	Flush to sewer. Detergents are biodegradable

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
5. Reactive
SARA 313 Toxic Chemical List – Not listed

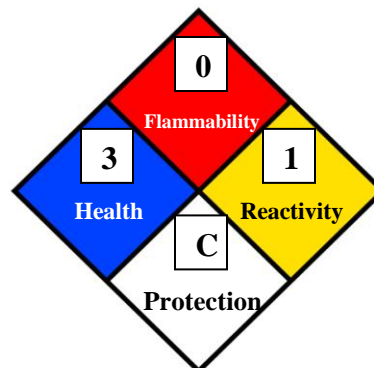
DSD (EEC) This product is not classified according to the EU regulations.

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**

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.**