

Material Safety Data Sheet Ultra Power Wash

Section 1. Chemical Product and Company Identification

| | | |
|------------------------------------|---|----------------------------|
| Product Name | Ultra Power Wash | |
| Product Number | NTN UPW | |
| 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. 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 Eye contact can result in corneal damage or blindness. Corrosive to skin and eyes on contact. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

Routes of Entry Skin contact. Ingestion. Eye Contact.

Eyes Contact with eyes may cause irritation

Skin Remote possibility of de-fatting action

Inhalation

Ingestion May cause gastrointestinal burns

Medical conditions aggravated by exposure: Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

Potential Chronic Health Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

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

Target Organs

Environmental Effects Not available

Section 3. Composition and Information on Ingredients

| Name | CAS # | % by Weight | Exposure Limits | LC ₅₀ /LD ₅₀ |
|---------------------|-----------|-------------|-----------------|------------------------------------|
| Sodium Metasilicate | 6834-92-0 | 33 | | |

Section 4. First Aid Measures

| | |
|---------------------------|---|
| Eye Contact | flush eyes with running water for at least 15 minutes, keeping eyelids open. |
| Skin Contact | Rinse with clear water |
| Inhalation | Get to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist. |
| Ingestion | Drink water to dilute and call doctor for advise |
| 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 | N/A |
| Products of Combustion | Not available |
| Special Remarks on Fire Hazards | N/A |
| Special Remarks on Explosion Hazards | N/A |
| 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 | Face shield. 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 Precautions | See Methods for Containment |
| Methods for Clean Up | Flush to sewer, detergents are biodegradable |

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 drum covered when out in use to prevent contamination. |

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

Body N/A

Respiratory N/A

Hands Gloves

Protective Clothing (Pictograms)



Exposure Limits

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

| | |
|--------------------------------------|---------------------------|
| Physical State and Appearance | White free flowing powder |
| Molecular Weight | N/A |
| Ph | 12 in 1% water solution |
| Boiling/Condensation Point | N/A |
| Melting/Freezing Point | N/A |
| Critical Temperature | N/A |
| Instability Temperature | N/A |

| | |
|--|--|
| Specific Gravity | (H20 = 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 | (H20 = 1): N/A |
| Dispersion Properties | N/A |
| Solubility | Soluble in water |
| The Product is: | Alkaline 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 | Clean |
| Color | White |

Section 10. Stability and Reactivity Data

| | |
|---|---------------------------------------|
| Stability | The product is stable |
| Incompatibility with Various Substance | Hazardous decomposition or byproducts |
| Hazardous Decomposition Products | Hazardous polymenzation |

Section 11. Toxicological Information

| | |
|--------------------------------|--|
| Routes of Entry | Skin Contact. Ingestion. Eye Contact |
| Toxicity to Animals | |
| Acute Effects on Humans | |
| Eyes | Severely corrosive to the eyes. Eye contact can result in corneal damage or blindness. |
| Skin | Severe skin irritant. Prolonged or repeated contact may cause severe chemical burns. |
| Inhalation | Irritating to the mucous membranes in the nose, throat, and lungs. May cause coughing, chest pain, and difficulty breathing. Prolonged exposure may result in tissue damage. |
| Ingestion | Extremely corrosive to the mouth and throat. May result in severe chemical burns. May cause severe abdominal pain, nausea, vomiting, and possible collapse |

| | |
|---|---|
| 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 | Toxic in concentrated form, practically non toxic diluted or neutralized form due to high PH |
| BOD5 and COD | Not available |
| Products of Biodegradation | Toxic in concentrated form, practically non toxic diluted or neutralized form due to high PH |
| 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) | |
| TDG Classification | |
| PIN UN, Proper Shipping Name, PG | Non hazardous |
| 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 | 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 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

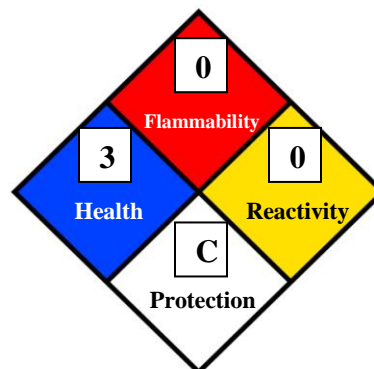
DSD (EEC) R22- Harmful if swallowed.
R35- Causes severe burns.

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) 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.**