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Hazardous Material Information System (HMIS)	HEALTH	1
	FLAMMABILITY	0
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	E

Section 1 - Identification

Trade Name Mighty Mike®
 Product Name U&F-BOOST!®
 Product Description For treatment of sewage
 D.O.T. Proper Shipping Name Chemicals not otherwise indexed [NOI], non-hazardous

PART #	DESCRIPTION	PACKAGE SIZE
T-1461	Mighty Mike® U&F-BOOST!® (250)	6 oz. [0.05 kg] Jar - ~25 tablets
T-1462	Mighty Mike® U&F-BOOST!® (500)	6 oz. [0.05 kg] Jar - ~14 tablets
T-1421	Mighty Mike® U&F-BOOST!® (250)	2# [0.9 kg] Bottle - ~156 tablets
T-1422	Mighty Mike® U&F-BOOST!® (500)	2# [0.9 kg] Bottle - ~94 tablets
T-1451	Mighty Mike® U&F-BOOST!® (250)	5# [2.26 kg] Pail - ~391 tablets
T-1452	Mighty Mike® U&F-BOOST!® (500)	5# [2.26 kg] Pail - ~235 tablets

Section 2 – Composition Information

Chemical Family Microbial Formulation, Class 1 blend (X3-WWB25-UF-25X)
 Spore Count (CFU/g) 2.50E+10
 Odor natural/slight fermentation

TL V or suggested control value No TL V assigned to this mixture. Control of exposure to below the TL V for the ingredients will be sufficient. Minimize exposure in accordance with good hygiene practice. Avoid handling which would create large amounts of dust. To maintain shelf life, avoid prolonged exposure to high temperatures and humidity. The ACGIM TL V's shown in SECTION II are OSHA PEL's (Permissible Exposure Limits).

Section 3 - Hazardous Ingredients

This product is salt-based powder containing naturally-occurring viable bacterial cultures.

Contains No hazardous components as listed in 29 CFR 1910.1200 or other pertinent sections of OSHA regulations.

Evaporation Rate N/A
 Solubility in Water Soluble

Hazard Statements May form combustible dust concentrations in air.

Section 4 – First Aid Measures

Eye contact Avoid creating dust, may cause eye irritation. If eye exposure results, flush with water for 20 minutes and consult Physician. Wear protective eye gear or a chemical-type face shield to prevent exposure to eyes recommended. Eyewash station recommended in work area.

Inhalation If needed, use MSHA-NIOSH approved respirator for nuisance dust. Can cause allergic type response to susceptible or hypersensitive individuals upon repeated or prolonged exposure. Remove individual to fresh air if inhalation occurs. Contact Physician if condition persists. Other effects of overexposure, none known.

Skin contact Organisms used are non-pathogenic, but can cause infection when in contact with open wounds. Wash with soap and water if skin

exposure results. If exposed to open wound results, wash with anti-bacterial soap and consult Physician. These organisms are susceptible to many commonly-used antibiotics. Slight redness on hands and forearms may occur, if individual has a history of dermal allergic reaction. Dermatitis and skin sensitization can develop after repeated and/or prolonged contact with human skin.

Ingestion Do not ingest. Keep out of reach of children! A single dose of this product is rarely toxic by ingestion and results in no effect. However, consuming product may lead to nausea or diarrhea, irritation of the mouth, pharynx, esophagus and stomach. Give 16-32 ounces of water to dilute product. Do not induce vomiting. Contact Physician or Poison Control Center, if condition persists.

Section 5 - Fire Fighting Measures

Extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CAUTION Use of sprayed WATER may be inefficient.

Specific Hazards arising from the Chemical None
 Uniform Fire Code None
 Hazardous Combustion Products Carbon oxides

Explosion Data
 Sensitivity to Mechanical Impact No
 Sensitivity to Static Discharge No
 As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 - Spill or Leak Procedures

Precautions and steps to be taken in handling or storing of this product. Prevent skin and eye contact. Avoid creating aerosol. Wash hands thoroughly with soap and water after use. Avoid creating dust. Wear approved respirator for nuisance dust during cleanup.

Refer to protective measures listed in Sections 7 and 8.

For small spills, flush to waste treatment sewer (product is biodegradable). For large spills, check local and state authority requirements for disposal. Uncontaminated spills can be returned to container for reuse.

Section 7 – Storage & Handling

Storage Keep in a cool, dry, well-ventilated area. Store in a dry area between 40° F- 105° F (5° C- 40° C). Keep container tightly closed.

Ventilation General mechanical ventilation.
Handling Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin and eyes.
Protective clothing Use rubber gloves to prevent exposure to skin.

Section 8 - Exposure Control

Exposure limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

Engineering measures Showers, Eyewash stations, Ventilation systems.

Eye/Face Protection None required for consumer use. If powder generation is likely to occur, wear safety glasses and a dust mask.

Skin/Body Protection None required for consumer use. Repeated or prolonged contact. Wear protective gloves and protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practices. Take off contaminated clothing and wash before reuse.

SEA (IMDG) Not Regulated for Transport according to IMDG-Code
AIR (IATA) Not Regulated for Air Transport

Section 9 - Physical Data

Physical State Pressed powder
Appearance off white – light tan
Odor Characteristic
Odor threshold No information available
Solubility water, dispersible
Boiling Point No data available
pH 5.5-8.0
Vapor Density No data available
Specific Gravity 4.0- 5.5 lb./gal
VOC Content (%) Negligible

Section 10 – Stability & Reactivity Data

Reactivity No data available.
Stability Stable under recommended storage conditions.
Possibility of Hazardous Reactions None under normal processing.
Hazardous Polymerization Hazardous polymerization does not occur.
Conditions to Avoid Do not expose to extreme temperatures for long periods of time. Close containers when not in use.
Incompatibilities Strong acids and alkalis, and strong oxidizing agents may react with product and inactivate bacterial cultures.
Hazardous Decomposition Products Carbon oxides.

Section 11 – Toxicological Information

Toxicity data of tests conducted gives information on
Oral toxicity LD 50 mg/kg
Dermal Toxicity LD 50 mg/kg
Inhalation Toxicity LC 50 mg/kg

Limited toxicity data are available on this specific product; this health hazard assessment is based on the results of screening tests. Handle as you would any other chemical or microbial product. Wash hands after contact.

Section 12 – Ecological Information

The information given is based on data available for the material, the components of the material, and similar materials.
ECOTOXICITY Not expected to be harmful to aquatic organisms.
MOBILITY High solubility is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.
DEGRADABILITY Expected to be inherently biodegradable
BIOACCUMULATION POTENTIAL Has the potential to bio-accumulate, however metabolism or physical properties may reduce the bio-concentration or limit bioavailability.

Section 13 – Disposal Consideration

Disposal method of this product or its residues must be in accordance with all local, state, and federal requirements.

This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste

Section 14 – Transport Information

LAND (DOT) Not Regulated for Land Transport
LAND (TDG) Not Regulated for Land Transport

Section 15 – Regulatory Information

OSHA HAZARD COMMUNICATION STANDARD, when used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

SARA (311/312) REPORTABLE HAZARD CATEGORIES

Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

SARA (313) TOXIC RELEASE INVENTORY This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

International Inventories TSCA Complies with United States Toxic Substances Control Act – Section 8(b) Inventory

Canadian Domestic Substances List / Non-Domestic Substances List (DSL/NDSL) all components are listed either on the DSL or NDSL

US Federal Regulations

CWA (Clean Water Act) This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 DFR 122.42)

CERCLA This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response and Liability Act (CERCLA) (40 CRF 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional or State level pertaining to releases of this material.

US State Regulations

California Proposition 65 This product does not contain any Proposition 65 chemicals.

US State Right-to-Know Regulations This product does not contain any substance above threshold limits that are regulated by State right-to-know.

Section 16 - OTHER INFORMATION

The information provided on the Material Safety Data Sheet is given in good faith, and is based upon research of others. This MSDS is believed to be accurate by Scienco/FAST and no known information has been omitted.

The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. The manufacturer/supplier makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will the manufacturer/supplier be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either expressed or implied, of merchantability or fitness for a particular use are made hereunder with respect to this information or the product to which information refers.

For questions regarding this product, please contact us at 1-314-756-9300 or email at solutions@sciencofast.com.