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**LEGEND HMIS/NFPA**

Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0



Health	/ 1
Flammability	0
Physical Hazard	0
Personal	x

### Section 1 - Identification

**Trade Name:** Mighty Mike®  
**Product Description:** Liquid Laundry Detergent  
 Laundry detergent for fabric  
**U.N. NUMBER:** Not Applicable  
**U.N. DANGEROUS GOODS CLASS:** Non-Regulated Material  
**D.O.T. PROPER SHIPPING NAME:** Not Otherwise Indexed (NOI), non-hazardous

### Section 2 – Hazards Identification

US DOT Symbols    CANADA (WHMIS) Symbols    EUROPEAN G (GHS) Hazard Symbols

Non-Regulated



Signal Word: **Warning**

**EMERGENCY OVERVIEW:** This product is a clear liquid with a faint sweet odor. Prolonged exposure can be irritating to eyes and skin. It is a non-flammable liquid. Prolonged environmental effects of this product have not been investigated.

**EU LABELING AND CLASSIFICATION:**

Classification of the substance or mixture according to Regulation (EC) No 1272/2008 Annex I  
 EC# 231-791-2 This substance is not classified in the Annex I of Directive 67/548/EEC  
 EC# 500-195-7 This substance is not classified in the Annex I of Directive 67/548/EEC  
 EC# 207-838-8 Annex I Index# 01-005-00-2

**GHS Hazard Classification(s):**

Eye Irritant Category 2                      Skin Irritant Category 2

**Hazard Statement(s):**

H315: Causes skin irritation                      H319: Causes serious eye irritation

**Precautionary Statement(s):**

P264: Wash hands thoroughly                      P281: Use protective equipment as required

**EU HAZARD CLASSIFICATION PER DIRECTIVE 1999/45/EC:**

{Xi} Irritant                      **Risk Phrases:** R36/38: Irritating to eyes and skin  
**Safety Phrases:** S24/25: Avoid contact with skin & eyes

**HEALTH HAZARDS OR RISKS FROM EXPOSURE:**

**ACUTE:** Prolonged exposure to this product may cause irritation to skin. Contact with eyes may cause irritation. Ingestion may cause gastrointestinal irritation including pain, vomiting or diarrhea.

**CHRONIC:** None known

**TARGET ORGANS:** ACUTE: Eyes, Skin                      CHRONIC: None Known

### Section 3 - Composition & Ingredients

INGREDIENTS	CAS #	EINECS #	ICSC #	WT %	CLASS (risk phrases)
Water	7732-18-5	231-791-2	Not Listed	75 - 89%	None
Alcohols, C12-15, ethoxylated	68131-39-5	500-195-7	Not Listed	10 - 20%	None
sodium carbonate	497-19-8	207-838-8	1135	1 - 5%	{Xi} Irritant, R36

The balances of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

**NOTE:** ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

### Section 4 – First Aid Measures

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

**EYE CONTACT:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

**SKIN CONTACT:** Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.

**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin, or eye problems may be aggravated by prolonged contact.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms, reduce exposure.

**Section 5 – Fire Hazard Data Information**

**FLASH POINT:** Not Flammable  
**AUTOIGNITION TEMPERATURE:** Not Applicable  
**FLAMMABLE LIMITS** (in air by volume, %): Lower (LEL): NA Upper (UEL): NA  
**FIRE EXTINGUISHING MATERIALS:** As appropriate for surrounding fire.  
 Carbon dioxide, foam, dry chemical, halon, or water spray

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** This product is non-flammable, however containers may rupture if exposed to heat or fire.

**Explosion Sensitivity to Mechanical Impact:** Not Sensitive

**Explosion Sensitivity to Static Discharge:** Not Sensitive

**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

**Section 6 - Spill or Leak Procedures**

**RESPONSE:** Personnel should be trained for spill or leak response operations.

**SPILLS:** Contain spill if safe to do so. Soak up with absorbent material and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

**Section 7 – Safe Handling & Storage**

**WORK & HYGIENE PRACTICES:** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing dusts generated by this product. Use in a well-ventilated location.

**STORAGE AND HANDLING PRACTICES:** Containers of this product must be properly labeled. Store containers in a cool, dry location. Keep container tightly closed when not in use. Store away from strong acids or oxidizers.

**Section 8 – Exp. Controls/Personal Protection****EXPOSURE LIMITS/GUIDELINES:**

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	SWA
Water	7732-18-5	Not Listed	Not Listed	Not Listed
Alcohols, C12-15, ethoxylated	68131-39-5	Not Listed	Not Listed	Not Listed
sodium carbonate	497-19-8	Not Listed	Not Listed	Not Listed

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne vapors. Ensure eyewash/safety shower stations are available near areas where this product is used.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Not normally required when using this product. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION:** Safety glasses are recommended where splashing is possible. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

**SKIN PROTECTION:** Not normally required when using this product. Use PPE appropriate to task performed. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

**Section 9 – Physical and Chemical Properties**

**PHYSICAL STATE:** Liquid  
**APPEARANCE & ODOR:** Clear liquid with a faint sweet odor.  
**ODOR THRESHOLD (PPM):** Not Available  
**VAPOR PRESSURE (mmHg):** Not Available  
**VAPOR DENSITY (AIR=1):** 1.02  
**BY WEIGHT:** Not Available  
**EVAPORATION RATE** (nBuAc = 1): Same as water  
**BOILING POINT (C°):** 104°C  
**FREEZING POINT (C°):** -3°C  
**pH:** 10.5 - 11.0  
**SPECIFIC GRAVITY 20°C:** (WATER =1) 1.02  
**SOLUBILITY IN WATER (%)** Complete

**Section 10 – Stability and Reactivity**

**STABILITY:** Product is stable  
**DECOMPOSITION PRODUCTS:** When heated to decomposition this product produces Oxides of carbon (COx), and Hydrocarbons

**INCOMPATIBLE SUBSTANCES:** Strong acids and strong oxidizing agents.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Contact with incompatible materials.

**SECTION 11 - Toxicological Information**

**TOXICITY DATA:** not available for mixture: No LD 50 Data Available

**SUSPECTED CANCER AGENT:** None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.

**IRRITANCY OF PRODUCT:** Contact with this product can be irritating to exposed skin.

**SENSITIZATION OF PRODUCT:** This product is not considered a sensitizer.

**REPRODUCTIVE TOXICITY INFORMATION:** No information concerning the effects of this product and its components on the human reproductive system.

**SECTION 12 – Ecological Information**

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

**ENVIRONMENTAL STABILITY:** No Data available at this time.

**EFFECT OF MATERIAL ON PLANTS or ANIMALS:** No evidence is currently available on this product's effects on plants or animals.

**EFFECT OF CHEMICAL ON AQUATIC LIFE:** No evidence is currently available on this product's effects on aquatic life.

**SECTION 13 – Disposal Considerations**

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

**SECTION 14 - Transportation Information**

**US DOT; IATA; IMD; ADR:** THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DOT.  
**PROPER SHIPPING NAME:** Non-Regulated Material  
**HAZARD CLASS # & DESCRIPTION:** Not Applicable  
**UN IDENTIFICATION NUMBER:** Not Applicable  
**PACKING GROUP:** Not Applicable.  
**DOT LABEL(S) REQUIRED:** Not Applicable  
**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004):** N/A

**MARINE POLLUTANT:** None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

- **U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:** This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.
- **TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:** This product is not classified as Dangerous Goods, per regulations of Transport Canada.
- **INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):** This product is not classified as Dangerous Goods, by rules of IATA.
- **INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:** This product is not classified as Dangerous Goods by the International Maritime Organization.
- **EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):** This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

## SECTION 15 – Regulatory Information

### UNITED STATES REGULATIONS

**SARA REPORTING REQUIREMENTS:** This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act, as follows: None

**TSCA:** All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

**SARA 311/312:** Acute Health: Yes Chronic Health: No Fire: No Reactivity: No

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** None

**CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):** None of the ingredients are on the California Proposition 65 lists.

### CANADIAN REGULATIONS:

**CANADIAN DSL/NDSL INVENTORY STATUS:** All of the components of this product are on the DSL Inventory

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:** No component of this product is on the CEPA First Priorities Substance Lists.

**CANADIAN WHMIS CLASSIFICATION & SYMBOLS:** This product is categorized as a Class D -2B materials having other toxic effects, as per the Controlled Product Regulations

### EUROPEAN ECONOMIC COMMUNITY INFORMATION:

#### EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

### AUSTRALIAN INFORMATION FOR PRODUCT:

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:** All components of this product are listed on the AICS.

**STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:** Not applicable.

### JAPANESE INFORMATION FOR PRODUCT:

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

### INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

- Asia-Pac: Listed
- Australian Inventory of Chemical Substances (AICS): Listed
- Korean Existing Chemicals List (ECL): Listed
- Japanese Existing National Inventory of Chemical Substances (ENCS): Listed
- Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed
- Swiss Giftliste List of Toxic Substances: Listed
- U.S. TSCA: Listed

## SECTION 16 – Other Information

### Disclaimer:

The info provided is provided solely for the User's assistance in complying with the Occupational Safety and Health Act of 1970, and the regulations there under. Given in good faith and based upon research of others, it is believed to be accurate and no known relevant information has been omitted. Any other use is prohibited. Scienco/FAST assumes no responsibility or liability for any loss, injury, or damage, which may occur from the use or misuse of their products. Also, because actual use by others is beyond our control, no guarantee or warranty is either expressed or implied, by Scienco/FAST, as to the product for its use or misuse. Where the Customer has concerns, it is recommended that the Customer perform their own tests. For questions regarding product, please contact us at 314-756-9300 or email at solutions@sciencofast.com.