

SAFETY DATA SHEET

Prepared according to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union Reach Regulations, Directives 67/548/EC & 1999/45/EC and CLP Regulation 1272/2008/EC 1.

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED):	Wicked Strong Soap Oven & Grill Cleaner
PRODUCT USE:	Liquid soap and degreaser
MANUFACTURER'S NAME:	Maine Standard Biofuels
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DATE OF PREPARATION:	2017-10-31
DATE OF LAST REVISION:	2017-10-31

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a clear to pale liquid with a slight characteristic odor. **Health Hazards:** Corrosive material: Prolonged skin contact may cause irritation. Eye contact will cause irritation. Inhalation of vapor or mist may cause respiratory irritation. **Flammability Hazards:** Non-Flammable solution. **Reactivity Hazards:** None known. **Environmental Hazards:** Not expected to have significant environmental effects. **Emergency Considerations:** Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

EU LABELING AND CLASSIFICATION: This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 272/2008/EC and subsequent Directives.

GHS Classifications:

Acute Oral Toxicity Category 4
Eye Irritant Category 2B
Skin Corrosive Category 1B
STOT SE Category 3

Hazard Symbol:



Hazard Statement:

H302: Harmful if swallowed
H320: Causes eye irritation
H314: Causes skin burns and eye damage
H335: May cause respiratory irritation

Signal Word: Warning

Precautionary Statement:

P264: Wash hands after use
P270: Do not eat or drink when using this product
P280: Wear protective gloves/protective clothing/eye protection/ face protection

EU HAZARD CLASSIFICATION PER DIRECTIVE 1999/45/EC:

Classification: [Xn] Harmful, [C] Corrosive, [Xi] Irritant

Risk Phrases: R22: Harmful if swallowed, R35: Causes severe burns, R36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases: S24/25: Avoid contact with skin and eyes, S26: In Case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Annex II Hazard Symbol:



Acute

Prolonged exposure may irritate skin. Contact with eyes may cause irritation or redness. Ingestion may cause irritation of the gastrointestinal tract. Exposure to the vapor or mists from this product will cause irritation to the respiratory system. Individuals using this product should be wearing the proper personal protective equipment to prevent skin and eye contact.

Chronic

None known

3. COMPOSITION and INFORMATION ON INGREDIENTS

Ingredient	CAS #	EINECS #:	% w/w	Hazard Symbols	HAZARD CLASSIFICATION 1999/45/EC; RISK PHRASES:
Water	7732-15-5	7732-791-2	70-80%	None	HAZARD CLASSIFICATION: SELF CLASSIFIED NONE; RISK PHRASES: NONE
Lauric Acid	143-07-7	205-582-1	10-15%		HAZARD CLASSIFICATION: SELF CLASSIFIED- [Xi] IRRITANT; RISK PHRASES: R36/37/38
Potassium Hydroxide	1310-58-3	215-181-3	1-5%		HAZARD CLASSIFICATION: [Xn] HARMFUL, [C] CORROSIVE; RISK PHRASES: R22, R35
Sodium Metasilicate Pentahydrate	10213-79-9	Unlisted	1-5%		HAZARD CLASSIFICATION: [C] CORROSIVE; RISK PHRASES: R22, R34, R37

Each of the other components is present in less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens)

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 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 Regulation 1272/2008 and the Japanese Industrial Standard JIS Z 7250: 2000.

See Section 2 for full text of Ingredient Risk Phrases and Safety Phrases

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 contacts the eyes, open victim's eyes while under gentle running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Remove contact lenses, if worn. Seek medical attention if irritation persists.

SKIN CONTACT: Wash contacted area with soap and water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Seek medical attention if irritation develops and persists.

INHALATION: If vapors or mists from this product are inhaled, or breathing is difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

INGESTION: If chemical 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. Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of the label and SDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure

5. FIRE-FIGHTING MEASURES

FLASH POINT: Non-Flammable

AUTOIGNITION TEMPERATURE: Not Applicable

FLAMMABLE LIMITS (in air by volume, %): Lower NA Upper NA

FIRE EXTINGUISHING MATERIALS: Use extinguishing media appropriate for surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: The product will support combustion

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.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Proper protective equipment should be used. Personnel should be trained for spill response operations.

SPILLS: Stop the flow of material, if this can be done safely. Contain discharged material. Use absorbent pads or other absorbent material, pickup and place in a proper container for disposal. Dispose of in accordance with applicable Federal, State, and local regulatory procedures (see Section 13, Disposal Considerations).

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors and mists generated by this product.

STORAGE AND HANDLING PRACTICES: Store product in properly labeled containers. Protect from physical damage. Keep containers closed when not in use. Keep from freezing.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Name	CAS #	ACGIH TLV	OSHA TWA
Water	7732-15-5	Not Listed	Not Listed
Lauric Acid	143-07-7	Not Listed	Not Listed
Potassium Hydroxide	1310-58-3	Not Listed	Not Listed
Sodium Metasilicate Pentahydrate	10213-79-9	Not Listed	Not Listed

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the established limits. Currently, International exposure limits are not established for all the components of this product. Please check with competent authority in each country for the most recent limits in place. 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: If exposure limits are exceeded, 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: Chemical goggles or safety glasses with side shields recommended where splashing is possible or mists are present. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

HAND PROTECTION: Compatible protective gloves recommended. Wash hands after removing gloves. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

BODY PROTECTION: Use body protection appropriate for task. Coveralls, rubber aprons, or chemical protective clothing made from natural rubber are generally acceptable, depending upon the task. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

9. PHYSICAL and CHEMICAL PROPERTIES

BULK DENSITY:

VAPOR PRESSURE: No Data @ 20°C

EVAPORATION RATE (n-BuAc= 1) : <1

pH: 12.5

SPECIFIC GRAVITY @ 20 1.031 (water=1)

MELTING POINT: No Data

SOLUBILITY IN WATER: Complete

DECOMPOSITION TEMPERATURE: No Data

VOC CONTENT (CARB method 310): 0%

APPEARANCE, ODOR and COLOR: Viscous liquid with a mild charactersitic odor.

10. STABILITY and REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage

DECOMPOSITION PRODUCTS: Decomposes slowly with exposure to water or moisture. Thermal decomposition may produce oxides of carbon.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: None known

HAZARDOUS DEPOLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None known

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

LAURIC ACID CAS# 143-07-7:

ORAL (LD50): Acute: 12,000 mg/kg [Rat].

POTASSIUM HYDROXIDE CAS# 1310-58-3:

ORAL (LD50): Acute: 273 mg/kg [Rat].

SODIUM METASILICATE PENTAHYDRATE, CAS# 10213-79-3:

ORAL (LD50): = 847 mg/kg [Rat].

SUSPECTED CANCER AGENT: The components of this product are not listed by agencies tracking the carcinogenic potential of chemical compounds as follows:

Carcinogenity

NTP Regulated No

IARC Regulated No

OSHA Regulated No

IRRITANCY OF PRODUCT: Product may cause irritation to eye, respiratory system and skin.

SENSITIZATION TO THE PRODUCT: This product is not known to cause human skin or respiratory sensitization.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: The components of this product are not reported to produce mutagenic effects in humans.

Embryotoxicity: The components of this product are not reported to produce embryotoxic effects in humans.

Teratogenicity: The components of this product are not reported to produce teratogenic effects in humans.

Reproductive Toxicity: The components of this product are not reported to produce reproductive effects in humans.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL FATE: Possibly hazardous short term degradation products are not likely.

ENVIRONMENTAL TOXICITY: No Data Available

WATER ENDANGERMENT CLASS: No Data Available

OTHER ADVERSE EFFECTS: Not dangerous for the ozone layer (1999/45/EC)

13. DISPOSAL CONSIDERATIONS

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

EU Waste Code: Not Listed

14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

PROPER SHIPPING NAME: Not regulated

HAZARD CLASS NUMBER and DESCRIPTION: N/A

UN IDENTIFICATION NUMBER: N/A

PACKING GROUP: N/A

DOT LABEL(S) REQUIRED: None

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER:

RQ QUANTITY: None

MARINE POLLUTANT: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (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.

15. REGULATORY INFORMATION

UNITED STATES REGULATIONS:

SARA REPORTING REQUIREMENTS

Section 302 (RQ); CAS# 1310-58-3: final RQ = 1000 pounds (454 kg)

MARINE POLLUTANT This product contains no component listed as a Marine Pollutant under 49 CFR 172.101, Appendix B.

TSCA All components in this product mixture are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals or are exempt from listing.

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

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

U.S. TSCA INVENTORY STATUS: All of the components of this product are listed in the TSCA Inventory.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product does not contain any component above the 0.1% level which is listed as a California Proposition 65 chemical. Note the chemical identity of some or all components present is confidential business information (trade secret) and is being withheld as permitted by 29CFR1910.1200 (i).

CANADIAN REGULATIONS:

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

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

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is categorized as Class E Corrosive as per the Controlled Product Regulations



EUROPEAN ECONOMIC COMMUNITY INFORMATION:

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 or exempt.

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

16. OTHER INFORMATION

DATE: 2017-10-31

All chemicals may pose unknown hazards and should be used with cautions. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Maine Standard Biofuels assumes no responsibility for the completeness or accuracy of the information contained herein. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and protection of the environment.

END OF MSDS SHEET