

Mass Finishing, Inc. Material Safety Data Sheet

Mass Finishing, Inc.
1060 Commerce Boulevard
Howard Lake, MN 55349

Emergency: 320-543-3222
Information: 320-543-3222
Fax: 320-543-3355

SECTION 1 CHEMICAL PRODUCT IDENTIFICATION

Product: Mass Finishing TS Compound M
Synonyms/Other: Not applicable.
Part Number: 5400-10002-5GLA, 5400-10010-55GLDR
MSDS Number: 2092
Product Type: Alkaline liquid detergent.
Preparation/Revision Date: 05-13-2010 Supercedes: 03/21/2008

SECTION 2 COMPOSITION INFORMATION

INGREDIENTS	CAS #	%	OSHA TWA	OSHA STEL	ACGIH TWA	SKIN
Water	7732-18-5	--	--	--	--	NO
Cocamide DEA	68603-42-9	5-10	NE	NE	NE	NO
Sodium xylenesulphonate	1300-72-7	<2	NE	NE	NE	NO

Comments: NE-Not Established
TWA – Time Weighted Average is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded.
STEL – Short Term Exposure Limit is the employee's 15-minute time weighted average exposure which shall not be exceeded at any time during a work day unless another time limit is specified.

SECTION 3 HAZARDOUS IDENTIFICATION

WARNING: - MAY CAUSE EYE IRRITATION
- MAY CAUSE SKIN IRRITATION

Eye contact: Mild irritant. Effects may range from none to mild depending upon length of exposure, solution concentration and first aid measures.

Skin contact: Avoid prolonged skin contact. This product contains materials that may cause skin irritation. Prolonged or repeated contact may result in dermatitis (dryness, chapping and reddening of skin).

Inhalation: Not a problem under normal use conditions. Overexposure by inhalation of misted material may cause nonspecific discomfort, such as nausea, headache, or weakness.

Ingestion: May cause irritation to mouth, throat and stomach. May cause nausea, vomiting and diarrhea.

Other: Pre-existing skin disorder or abrasions may be aggravated by exposure.

SECTION 4 FIRST AID MEASURES

Eye contact: Check for and remove contact lenses. Flush immediately with copious amounts of water or normal saline (minimum of 15 minutes), holding eyelids apart to ensure complete irrigation of the eye and eyelid tissue. Take exposed individual to a health care professional, preferably an ophthalmologist, for further evaluation.

Skin contact: Remove contaminated clothing. Wash exposed area with plenty of soap and water. Repeat washing. If redness or irritation occurs, seek medical attention. Wash contaminated clothing before reuse.

Inhalation: If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty breathing or is cyanotic, seek a health care professional immediately.

Ingestion: Drink 1-2 large glasses of milk or water. Do not induce vomiting unless directed by a physician. During vomiting there is a danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs keep head below hips to prevent aspiration and monitor for breathing

Mass Finishing, Inc. Material Safety Data Sheet

Other:

difficulty. Gastric lavage should be performed only by qualified medical personnel. Keep affected person warm and at rest. Seek medical attention.
Not applicable.

SECTION 5 FIRE FIGHTING MEASURES

Flash point: None (contains water).
Flammable limits: Not applicable.
Extinguishing media: Not applicable.
Special firefighting procedures: General directions - product will not burn without driving water from material first.

Evacuate area and fight fire from a safe distance. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak.

Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible (safely). Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety device or any discoloration of storage tank due to fire.

Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

Unusual fire & explosion hazards: High temperatures may create heavy flammable vapors that may settle along ground level and low spots to create an invisible fire hazard.

Byproducts of combustion: Fires and high temperatures involving this product may release oxides of carbon, nitrogen and sulfur; and irritating vapors.

Autoignition temperature: Not applicable.
Explosion data: Not determined. Care should always be exercised in dust/mist areas.
Other: Not applicable.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill control procedures (land): Initially minimize area affected by the spill or leak. Block any potential routes to water systems (e.g., storm sewers, streams, lakes, etc.) Recover as much of the pure product as possible into appropriate containers. Address clean-up of contaminated environments. Spill or leak residuals may have to be collected and disposed of. Clay, soil or commercially available absorbents may be used to recover any material that can not readily be recovered as pure product. Flushing residual material to an industrial sewer, if present at the site of a spill or leak incident MAY be acceptable if authorized (local sewer) approval is obtained. If product residuals are flushed to an industrial sewer, insure that they do not come into contact with incompatible materials. Spill may be considered RCRA hazardous if contaminated. Contact local regulatory agencies.

Spill control procedures (water): This material readily mixes with water - a spill will not be contained with booms or be able to be removed by skimming water surface. If a large spill occurs notify appropriate authorities (normally the National Response Center or Coast Guard at 800-424-8802).

Waste disposal method: Determine if waste containing this product can be handled by available industrial effluent system or other on-site waste management unit. If off-site management is required, contact a company experienced in industrial waste management. This product is not specifically listed in 40 CFR 261 as a Resource Conservation and Recovery Act (RCRA) waste. However, spill or leak residuals may meet the criteria of a characteristic hazardous waste under

Mass Finishing, Inc. Material Safety Data Sheet

RCRA if contaminated. Check the characteristic of used, spill or leak material to be disposed of to verify RCRA exempt.

SECTION 7 HANDLING AND STORAGE

- Handling procedures:** Keep containers closed when not in use. Do not transfer to unmarked containers. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld, or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.
- Open containers carefully in a well ventilated area. Wash thoroughly after handling.
- Storage procedures:** Store product between 30 and 110°F. Store out of direct sunlight and out of the reach of children.
- Additional information:** No additional information.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection:** Applicable mainly to persons in repeated contact situations such as packaging of product, service/maintenance, and cleanup/spill control personnel.
- Respiratory protection:** Not necessary under normal use conditions and ventilation. If mists are generated, wear NIOSH respirator for ammonia type vapors.
- Eye protection:** Eye protection is strongly recommended. If material is handled such that it could be splashed into the eyes, wear safety glasses with side shields or vented/splash proof goggles (ANSI Z87.1 or approved equivalent).
- Hand protection:** Impervious gloves such as neoprene or nitrile rubber to avoid skin sensitization and absorption.
- Other protection:** Rubber boots for spill clean up. Launder soiled clothes. Properly dispose of contaminated leather articles and other materials which cannot be decontaminated.
- Local control measures:** Use adequate ventilation when working with material in an enclosed area. Mechanical methods such as local exhaust or fans may be used to reduce localized vapor/mist areas. Eyewash stations and showers should be available in areas where this material is used and stored.
- Other:** Consumption of food and drink should be avoided in work areas where product is present. Always wash hands and face with soap and water before eating, drinking or smoking.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

- Vapor pressure:** Similar to water.
- Specific gravity(water=1):** 1.01 – 1.015
- Solubility:** Complete in water
- Percent VOC:** < 1
- Vapor density (air=1):** >1.
- Evaporation rate (water=1):** 1
- Odor:** Slight.
- Appearance:** Clear pale yellow.
- Boiling point:** Approximately 100°C (212°F) initial boiling point.
- Pour/Freeze point:** Not determined.
- Other:** pH of concentrate: ~9.0 - 9.5
pH (1% solution): ~8.0 - 9.0.

SECTION 10 STABILITY AND REACTIVITY

- Stability:** Material is stable at room temperatures and pressure.
- Conditions to avoid:** Avoid high temperatures and product contamination.
- Incompatibility with other materials:** Avoid contact with strong acids and oxidizing materials.

Mass Finishing, Inc. Material Safety Data Sheet

Decomposition products: Carbon dioxide, carbon monoxide, oxides of nitrogen and ammonia.
Hazardous polymerization: Will not occur.
Other: Not applicable.

SECTION 11 TOXICOLOGICAL INFORMATION

Oral toxicity: Acute Oral LD50 Rat: 5000 - 15000 mg/kg
Dermal toxicity: Moderate skin irritant
Inhalation toxicity: Not determined.
Dermal sensitization: Prolonged or repeated contact may make skin more sensitive to other skin sensitizers.
Chronic toxicity: Not determined.
Carcinogenicity: Can be absorbed through the skin.
Mutagenicity: Not determined.
Reproductive toxicity: Not determined.
Other: Not applicable.

SECTION 12 ECOLOGICAL INFORMATION

Environmental toxicity: No data.
pH of concentrate: ~9.0 - 9.5
pH (1% solution): ~8.0 - 9.0.
Environmental fate: Readily biodegradable
Other: Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste disposal: Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. This product unadulterated by other materials may be classified as a non-regulated waste in some areas - but still needs to be disposed of at approved facilities or into public sewage system (dependent upon product contamination). Waste management should be in full compliance with federal, state, and local laws.

Disposal consideration: Determine if waste containing this product can be handled by public sewage system, available industrial effluent system or other on-site waste management unit. If off-site management is required, contact a company experienced in industrial waste management. This product is not specifically listed in 40 CFR 261 as a Resource Conservation and Recovery Act (RCRA) waste. Check the characteristic of used, spill or leak material to be disposed of to verify RCRA exempt. Look in a local telephone directory or internet for headings under, 'Waste', 'Waste Services', 'Waste Disposal' for companies licensed to handle such material. Additional information can be obtained from local EPA, DNR, Sewer and Land-Fill sites.

Other: The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can only occur in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Disposal of this material must be conducted in compliance with all federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT shipping description: Not regulated.
U.S. DOT identification number: Not regulated.

Mass Finishing, Inc. Material Safety Data Sheet

U.S. DOT hazard classification: Not applicable.
Packaging class: Not applicable.
Other: Not applicable.

SECTION 15 REGULATORY INFORMATION

Clean water act/oil pollution act: No components of this product are listed.
TSCA: All components of this material are listed in the U.S. TSCA Inventory.
Other TSCA: Not applicable.
SARA Title III: Section 302/304 extremely hazardous substances: None

Section 311, 312 hazard categorization:
Acute (immediate health effects): YES
Chronic (delayed health effects): NO
Fire (hazard): NO
Reactivity (hazard): NO
Pressure (sudden release hazard): NO

Section 313 toxic chemicals:
No materials present are listed under SARA 313.
CERCLA: For stationary/moving sources – reportable quantity (due to): Not regulated.

Other: Not applicable.

SECTION 16 OTHER INFORMATION

	NPCA-HMIS	KEY
HEALTH:	1	0 = Minimal
FIRE:	0	1 = Slight
REACTIVITY:	0	2 = Moderate
SPECIFIC HAZARD:	N/A	3 = Serious
PROTECTION INDEX:	B	4 = Severe

Precautionary labels: - MAY CAUSE EYE IRRITATION
- MAY CAUSE SKIN IRRITATION

External information: This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used. Lube-Tech must rely on information provided by those materials manufacturers or distributors.

Creation date: 05-13-2010
File: Mass Finishing TS Compound M (2092)
Version: III

INFORMATION PROVIDED IN THIS MSDS IS CONSIDERED ACCURATE AND RELIABLE BASED ON INFORMATION ISSUED FROM INTERNAL AND OUTSIDE SOURCES TO THE BEST OF LUBE-TECH'S KNOWLEDGE. HOWEVER, LUBE-TECH MAKES NO REPRESENTATIONS, GUARANTEES OR WARRANTIES, EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, REGARDING THE ACCURACY OF SUCH INFORMATION OR THE RESULT TO BE OBTAINED FROM THE USE THEREOF, OR AS TO THE SUFFICIENCY OF THE INFORMATION HEREIN PRESENTED. LUBE-TECH ASSUMES NO RESPONSIBILITY FOR INJURY TO RECIPIENT OR TO THIRD PERSONS OR FOR ANY DAMAGE TO ANY PROPERTY AND RECIPIENT ASSUMES ALL SUCH RISKS.

Revisions / Comments:

Description change: 08/24/2007
Composition updated: 05-13-2010