

SAFETY DATA SHEET**TR 211L****1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND THE SUPPLIER**

GHS PRODUCT IDENTIFIER: TR 211L

OTHER MEANS OF IDENTIFICATION:

Product Type Cleaning liquid mixture

Product Code M-211

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

Product Use Industrial cleaning. Professional use only.

Uses Advised Against None identified

SUPPLIER'S DETAILS:

SDS SUPPLIED BY:

Oliver Chemical Company, Inc.

2908 Spring Grove Avenue

Cincinnati, OH 45225

1-888-541-6526 (Monday – Friday 8:30 am – 4:30 pm)

MANUFACTURED BY:

Oliver Chemical Company, Inc.

2908 Spring Grove Avenue

Cincinnati, OH 45225

1-888-541-6526 (Monday – Friday 8:30 am – 4:30 pm)

DISTRIBUTED BY:

A&B Deburring Company

625 Carr Street

Cincinnati, OH 45203

1-800-552-7111

EMERGENCY PHONE NUMBER:

24 Hour Emergency Contact:

CHEMTREC 1-800-424-9300

2. HAZARD IDENTIFICATIONGHS CLASSIFICATION OF THE SUBSTANCE/MIXTURE:

CODE	HAZARD STATEMENT	HAZARD CLASS	CATEGORY
	PHYSICAL		
	Not applicable		
	HEALTH		
H315	Causes skin irritation	SKIN - CORROSION/IRRITATION	2
H319	Causes serious eye irritation	EYE - SERIOUS EYE DAMAGE/EYE IRRITATION	2A
H302	Harmful if swallowed	ORAL - ACUTE TOXICITY	4
	ENVIROMENTAL		
	No data		

LABEL ELEMENTS:SIGNAL WORD:**WARNING**PICTOGRAM:HAZARD STATEMENTS:**PHYSICAL**

Not applicable

HEALTH

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H302 Harmful if swallowed.

PRECAUTIONARY STATEMENTS:**GENERAL**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

PREVENTION

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE

P301+P330+P312 IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352+P362 IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse

P332+P313 If skin irritation occurs: Get medical advice/attention.

P321 Specific treatment: (see First Aid information on product label and/or Section 4 of the SDS).

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

STORAGE

Not applicable

DISPOSAL

P501 Dispose of contents and container in accordance with applicable local, regional, and/or international regulations.

OTHER HAZARDS NOT COVERED BY GHS:

None identified.

3. COMPOSITION/INFORMATION ON INGREDIENTS**MIXTURE:**

<u>HAZARDOUS COMPONENT</u>	<u>%</u>	<u>CAS NUMBER</u>
Disodium tetraborate	<3	12179-04-3
Dipropylene Glycol Monomethyl Ether	<3	34590-94-8

4. FIRST-AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES:

INHALATION: If inhalation of mists, vapors, or spray occurs and adverse effects result, remove to uncontaminated area. Respiratory problems: consult a doctor/medical service.

SKIN CONTACT: Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry and shoes. Wash contaminated areas with large amounts of water. Thoroughly clean and dry contaminated clothing before reuse. Irritation persists: consult a doctor/medical service.

EYE CONTACT: Immediately flush contaminated eyes with a direct stream of water for as long as possible. Remove contact lenses, if present, then continue rinsing. Irritation persists: consult a doctor/medical service.

INGESTION: If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep airway clear. Monitor airway. Give large quantities of water. Never give anything by mouth to an unconscious or convulsive person. GET MEDICAL ATTENTION IMMEDIATELY.

Protection of First-Aiders: Refer to Section 8 of SDS for specific personal protective equipment recommendations.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

ACUTE SYMPTOMS/EFFECTS:

SKIN: Exposure to skin may cause redness, itching and dry skin.

EYE: Irritation of the eye tissue. Abnormal or excessive secretion of tears.

INGESTION (Swallowing): Exposure by ingestion may cause Nausea, abdominal pain, irritation of the gastric/intestinal mucosa.

DELAYED SYMPTOMS/EFFECTS:

No effects known.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

Notes to Physician: Medical observation and assessment is recommended for all ingestions, all eye exposures, and symptomatic inhalation and dermal exposures.

5. FIRE-FIGHTING MEASURES

SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA:

Use extinguishing agents appropriate for surrounding fire.

May use water spray, foam or dry agent such as CO₂

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Non-combustible. Burning will emit toxic fumes, including CO₂

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

Move container from fire area if it can be done without risk. Cool containers with water. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode.

6. ACCIDENTAL RELEASE MEASURES**PERSONAL PERCAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

Avoid contact with skin, eyes and clothing. Wear appropriate personal protective equipment recommended in section 8, Exposure Controls / Personal Protection, of the SDS.

ENVIROMENTAL PRECAUTIONS:

Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

In case of spill or leak, stop the leak as soon as possible. Small and large spills: Contain spilled material if possible. Completely contain spilled materials with dikes, sandbags, etc. After containment, consult federal, state, or local regulatory agencies (Sewer District) when appropriate. Liquid material may be removed with a vacuum truck. Area may be flushed with water as this is an aqueous cleaning compound. See Section 13, Disposal Considerations, of the SDS for additional information.

7. HANDLING AND STORAGE**PERCAUTIONS FOR SAFE HANDLING:**

Do not get into eyes, on skin or on clothing. Wash thoroughly after handling. When mixing, slowly add to water to minimize heat generation and spattering.

CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES:

Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**CONTROL PARAMETERS:****Occupational Exposure Limits:**

Regulatory Exposure Limit(s):

CHEMICAL NAME	CAS NUMBER	OSHA/PEL
Disodium tetraborate	12179-04-3	15 mg/m ³

Non-Regulatory Exposure Limit(s):

CHEMICAL NAME	CAS NUMBER	ACGHIA
Disodium tetraborate	12179-04-3	6 mg/m ³
CHEMICAL NAME	CAS NUMBER	ACGHIA
Dipropylene Glycol Monomethyl Ether	3459-94-8	TWA 100 ppm

The Non-Regulatory OSHA limits, if shown are the Vacated 1989 PEL's (vacated by 58 FR 35338, June 30, 1993).

OSHA: Occupational Safety and Health Administration.

ACGIH: The American Conference of Governmental Industrial Hygienists.

PEL: Permissible Exposure Limit; **TWA:** Time Weighted Average; **STEL:** Short Term Exposure Limit;

TLV: Threshold Limit Values;

APPROPRIATE ENGINEERING CONTROLS:

Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Wear chemical safety goggles with a face-shield to protect against eye and skin contact when appropriate. Provide an emergency eye wash fountain and a quick drench shower in the immediate work area.

Skin and Body Protection: Wear protective clothing to minimize skin contact. Wear chemical resistant clothing and rubber boots when potential for contact with materials exist. Always place pants legs over boots. Contaminated clothing should be removed, then discarded or laundered.

Hand Protection: Wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

Respiratory Protection: A NIOSH approved respirator with N95 dust/mist cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. If eye irritation occurs, a full face style mask should be used. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

Protective material types: Butyl rubber, Natural rubber, Nitrile, Polyvinyl chloride (PVC), Tyvek®

9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE:**

LIQUID / YELLOW

ODOUR:

NON SPECIFIC SCENT

ODOUR THRESHOLD:

NO DATA AVAILABLE

pH:

9

MELTING POINT:

NO DATA AVAILABLE

FREEZING POINT:

-85 TO 39°F (-65 TO 4°C)

INITIAL BOILING POINT/RANGE:

216 TO 289°F (102 TO 143°C)

FLASH POINT:

NOT FLAMMABLE

EVAPORATION RATE:

NO DATA AVAILABLE

FLAMMABILITY (SOLID, GAS):

NOT FLAMMABLE

UPPER FLAMMABILITY OR EXPLOSIVE LIMITS:

NOT APPLICABLE

LOWWER FLAMMABILITY OR EXPOSIVE LIMITS:

NOT APPLICABLE

VAPOUR PRESSURE:

NON-VOLATILE

VAPOUR DENSITY:

NO DATA AVAILABLE

RELATIVE DENSITY:1.08 (H₂O = 1)**SOLUBILITY (water):**

100%

PARTITION COEFFICIENT (n-octanol/water):

NOT APPLICABLE

AUTO-IGNITION TEMPERATURE:

NOT APPLICABLE

DECOMPOSITION TEMPERATURE:

NO DATA AVAILABLE

VISCOSITY:

NO DATA AVAILABLE

10. STABILITY AND REACTIVITY**REACTIVITY:**

No data available

CHEMICAL STABILITY:

Stable at normal temperatures and pressures.

POSSIBILITY OF HAZARDOUS REACTIONS:

Under normal conditions of storage and use, hazardous reactions will not occur.

CONDITIONS TO AVOID:

None known.

INCOMPATIBLE MATERIALS:

Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known

11. TOXICOLOGICAL INFORMATION:**LIKELY ROUTES OF EXPOSURE:**

EYE CONTACT - Causes serious eye irritation.

DELAYED AND IMMEDIATE EFFECTS; SHORT AND LONG TERM:

Causes serious eye irritation.

COMPONENT INFORMATION:

Chemical Name	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation	Species
Disodium tetraborate	12179-04-3	3,200 mg/kg	2,000 mg/kg	2.12 mg/l	Rat
Dipropylene Glycol Monomethyl Ether	34590-94-8	5,000 mg/kg	9.500 mg/kg	275 ppm / 7 hr	Rat

12. ECOLOGICAL INFORMATION**ECOTOXICITY:**

No information available.

PERSISTENCE AND DEGRADABILITY:

Persistence: No information available.

Degradability: No information available.

BIOACCUMULATIVE POTENTIAL:

No information available.

MOBILITY IN SOIL:

No information available.

OTHER ADVERSE EFFECTS:

No information available.

13. DISPOSAL CONSIDERATIONS

This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b) (4)). 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. Disposal should be in accordance with regional, national and local laws and regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME:

Compounds, cleaning liquid.

UN NUMBER:

N/A

CLASS:

N/A

PACKING GROUP:

N/A

PLACECARD:

N/A

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

SARA 313

This product contains no known chemicals regulated under SARA 313.

16. OTHER INFORMATION

HMIS RATINGS:

HEALTH	2
FLAMMABILITY	0
PHYSICAL	0

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Disclaimer:

This Safety Data Sheet was prepared in accordance with 29 CFR 1910.1200. Information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication, it is the user's responsibility to determine the safety, toxicity and suitability for their own use of the product described herein. Since actual use by others is beyond our control, no guarantee expressed or implied is made by Oliver Chemical Company, Inc. as to the effects of such use, the results to be obtained or the safety and toxicity of the product nor does Oliver Chemical Company, Inc. assume any liability arising out of use by others of the product referred herein nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.