



Safety Data Sheet

Spartan Chemical Company, Inc.

Revision Date: 16-Mar-2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: THE METAL CLEANER
Product Number: 2823
Recommended Use: Cleaning agent
Uses Advised Against: For Industrial and Institutional Use Only

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

24 Hour Emergency Phone Numbers:

Medical Emergency/Information: 888-314-6171
Transportation/Spill/Leak: CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Skin Corrosion/Irritation: Category 2
Serious Eye Damage/Eye Irritation: Category 1
Reproductive Toxicity: Category 1B

GHS Label Elements

Signal Word:

Symbols:

Danger



Hazard Statements:

Causes skin irritation.
Causes serious eye damage
May damage fertility or the unborn child

Precautionary Statements:

Prevention:

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wear eye / face protection
Wear protective gloves
Wash hands and any exposed skin thoroughly after handling.

Response:

-Eyes

If exposed or concerned: Get medical attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

-Skin

IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse.

-Specific Treatment:

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

Storage:

Store locked up.

Disposal:	Dispose of contents and container in accordance with local, state and federal regulations.
Hazards Not Otherwise Classified:	Not Applicable
Other Information:	• May be harmful if swallowed. • Inhalation of vapors or mist may cause respiratory irritation. • Keep out of reach of children.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
triethanolamine	102-71-6	7-13
boric acid	10043-35-3	1-5
alcohol ethoxylate	68439-46-3	1-5
N-cocoyl sarcosine	68411-97-2	1-5
phosphate ester	12645-31-7	1-5
sodium hydroxide	1310-73-2	1-5
dicarboxylic fatty acid	53980-88-4	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

-Eye Contact:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
-Skin Contact:	Wash with plenty of soap and water Take off contaminated clothing and wash before reuse If skin irritation occurs: Get medical attention.
-Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
-Ingestion:	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
Note to Physicians:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
Specific Hazards Arising from the Chemical:	Dried product is capable of burning. Combustion products are toxic.
Hazardous Combustion Products:	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
Protective Equipment and Precautions for Firefighters:	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
Environmental Precautions:	Do not rinse spill onto the ground, into storm sewers or bodies of water.
Methods for Clean-Up:	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

Advice on Safe Handling:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
Storage Conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
triethanolamine 102-71-6	TWA: 5mg/m ³	-	-
boric acid 10043-35-3	STEL: 6 mg/m ³ inhalable particulate matter TWA: 2 mg/m ³ inhalable particulate matter	-	-
sodium hydroxide 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³

Engineering Controls:	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
Personal Protective Equipment	
Eye/Face Protection:	Wear splash goggles.
Skin and Body Protection:	Wear rubber or other chemical-resistant gloves.
Respiratory Protection:	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
General Hygiene Considerations:	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Liquid
Color:	Amber
Odor:	Bland
pH:	8.8-9.1
Melting Point / Freezing Point:	No information available.
Boiling Point / Boiling Range:	100 °C / 212 °F
Flash Point:	> 100 °C / > 212 °F ASTM D56
Evaporation Rate:	< 1 (Butyl acetate = 1)
Flammability (solid, gas)	No information available.
Upper Flammability Limit:	No information available.
Lower Flammability Limit:	No information available.
Vapor Pressure:	No information available.
Vapor Density:	No information available.
Specific Gravity:	1.04
Solubility(ies):	Soluble in water
Partition Coefficient:	No information available.
Autoignition Temperature:	No information available.
Decomposition Temperature:	No information available.
Viscosity:	No information available.

10. STABILITY AND REACTIVITY

Reactivity:	This material is considered to be non-reactive under normal conditions of use.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Not expected to occur with normal handling and storage.
Conditions to Avoid:	Extremes of temperature and direct sunlight.
Incompatible Materials:	Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products:May include carbon monoxide, carbon dioxide (CO₂) and other toxic gases or vapors.**11. TOXICOLOGICAL INFORMATION****Likely Routes of Exposure:**

Eyes, Skin, Ingestion, Inhalation.

Symptoms of Exposure:**-Eye Contact:**

Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.

-Skin Contact:

Pain, redness and cracking of the skin.

-Inhalation:

Nasal discomfort and coughing.

-Ingestion:

Pain, nausea, vomiting and diarrhea.

Immediate, Delayed, Chronic Effects**Product Information:**

Data not available or insufficient for classification.

Target Organ Effects:

-Eyes. Respiratory System. -Skin.

Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 7006 mg/kg
 ATEmix (dermal): 13375 mg/kg
 ATEmix (inhalation-dust/mist): 5.4 mg/l

Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg (Rat)	Not Available	Not Available
triethanolamine 102-71-6	= 4190 mg/kg (Rat)	> 20 mL/kg (Rabbit)	Not Available
boric acid 10043-35-3	= 2660 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 0.16 mg/L (Rat) 4 h
alcohol ethoxylate 68439-46-3	= 1400 mg/kg (Rat)	Not Available	Not Available
phosphate ester 12645-31-7	<= 2000 mg/kg (Rat)	Not Available	Not Available
sodium hydroxide 1310-73-2	Not Available	= 1350 mg/kg (Rabbit)	Not Available
dicarboxylic fatty acid 53980-88-4	= 6176 mg/kg (Rat)	Not Available	Not Available

Carcinogenicity: No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
triethanolamine 102-71-6	216: 72 h Desmodesmus subspicatus mg/L EC50 169: 96 h Desmodesmus subspicatus mg/L EC50	10600 - 13000: 96 h Pimephales promelas mg/L LC50 flow-through 1000: 96 h Pimephales promelas mg/L LC50 static 450 - 1000: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	Not Available
boric acid 10043-35-3	Not Available	Not Available	Not Available	115 - 153: 48 h Daphnia magna mg/L EC50
sodium hydroxide 1310-73-2	Not Available	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	Not Available

Persistence and Degradability:

No information available.

Bioaccumulation:

No information available.

Other Adverse Effects:

No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations.
Contaminated Packaging: Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT: Not Regulated
Proper Shipping Name: Non Hazardous Product
Special Provisions: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

IMDG: Not Regulated
Proper Shipping Name: Non Hazardous Product

15. REGULATORY INFORMATION

TSCA Status: (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA 313

This product does not contain listed substances above the "de minimus" level

SARA 311/312 Hazard Categories

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden release of pressure hazard:	No
Reactive Hazard:	No

California Proposition 65

This product is not subject to warning requirements under California Proposition 65.

16. OTHER INFORMATION

NFPA	Health Hazards: 2	Flammability: 0	Instability: 0	Special: N/A
HMIS	Health Hazards: 2	Flammability: 0	Physical Hazards: 0	

Revision Date: 16-Mar-2017
Reasons for Revision: Section 8

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet