

SAFETY DATA SHEET

Revision #1

Product name: **MILD ALKALINE DETERGENT (MAD) WIPES/SOLUTION**
Last revised date: 1 June 2018

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Mild Alkaline Detergent (MAD) Wipes/Solution
MANUFACTURER: Germiphene Corporation
ADDRESS: 1379 Colborne Street East, Brantford, Ontario N3T 5M1, Canada
PHONE: 519-759-7100
FAX: 519-759-1625
EMERGENCY PHONE: CANUTEC 613-996-6666
PRODUCT USE: Concentrated manual and ultrasonic cleaner

2. HAZARD IDENTIFICATION

GHS Classification:

	Health	Environmental	Physical
Skin Irritation:	Below classification limit		
Eye Irritation:	Below classification limit		
Acute Oral Toxicity:	Below classification limit		

SIGNAL WORD: None

SYMBOLS: None

<u>Hazard Statements</u>	<u>Precautionary Statements</u>
	P280: Wear appropriate protective gloves/eye protection P264: Wash hands thoroughly after handling.

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

INHALATION: May cause mild respiratory tract irritation.
INGESTION: May cause gastro-intestinal upset.
SKIN ABSORPTION: No adverse effects with normal skin.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Cas #	% w/w	Hazard classification of raw material
N-Methyl 2-Pyrrolidone	872-50-4	<0.25%	Reproductive toxicity - unborn child (category 1B) Specific target organ toxicity - single exposure Respiratory tract irritation (category 3) Skin irritation (category 2) Eye irritation (category 2A)
Caprylyl Pyrrolidone	2687-94-7	<0.25%	Corrosive Dangerous for the environment
L(+) Lactic Acid	79-33-4	<0.25%	Acute dermal toxicity (category 4) Skin corrosion/irritation (category 2) Serious eye damage/eye irritation (category 1)
Sodium Nitrite	7632-00-0	<0.25%	Causes eye and skin irritation May be fatal if inhaled and harmful if swallowed
Sodium Hydroxide Pellets	1310-73-2	<0.25%	Skin corrosion (category 1A) Serious eye damage (category 1) Acute aquatic toxicity (category 3)
Boric acid	10043-35-3	<0.25%	Acute toxicity, Oral (category 5) Reproductive toxicity (Category 1B)

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4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes, holding the eyelids open. If irritation persists, contact physician.
SKIN: Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before re-use.
INHALATION: Remove person to fresh air.
INGESTION: Induce vomiting immediately as directed by medical personnel. Contact a physician immediately.

5. FIREFIGHTING MEASURES

FLAMMABILITY: N/Av
COMBUSTIBLE: Yes
EXTINGUISHING MEDIA: Apply all-purpose type foams by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires. Water is suitable.
HAZARDOUS DECOMPOSITION PRODUCTS: Nitrous oxides, carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Contain spilled material. Provide adequate ventilation. Spill should be collected in suitable containers or absorbed on a suitable absorbent material for subsequent disposal. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

7. HANDLING AND STORAGE

HANDLING AND STORAGE: Keep away from heat in a cool well-ventilated area. Protect from freezing. Keep container closed when not in use. Avoid breathing vapours. Avoid contact with eyes.
OTHER PRECAUTIONS: Good personal hygiene practices are suggested.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Use adequate ventilation.
RESPIRATORY PROTECTION: Avoid breathing vapours.
EYE PROTECTION: Avoid contact with eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to pale yellow transparent liquid
ODOUR: Mild
PHYSICAL STATE: Liquid
PH @ 22°C: 8.00-11.00
BOILING POINT: Above 100°C
MELTING POINT: N/Av
FREEZING POINT: Below 0°C

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DENSITY @ 25 ± 1°C: 0.900 - 1.100
EVAPORATION RATE: N/Av
SOLUBILITY IN WATER: Soluble

10. STABILITY AND REACTIVITY

STABILITY: N/Av
CONDITIONS TO AVOID (STABILITY): N/Av
INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizing materials

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Burning can produce carbon monoxide and carbon dioxide, ammonia and nitrous oxides (small amounts).

11. TOXICOLOGICAL INFORMATION

N-METHYL 2-PYRROLIDONE Oral rat LD50 4,200 mg/kg
Dermal rat LD50 8,000 mg/kg
Accute inhalation rat >5.1 mg/L (4h)
Draize test, rabbit, eye: 100 mg Moderate

CAPRYLYL PTRROLIDONE Oral rat LD50 2050 mg/kg
Dermal rabbit LD50 > 2000 mg/kg
Minimally irritation to rabbit skin (2% solution in water)
Non-irritating to rabbit eye with and without washout (2% aqueous suspension)
Evidence of delayed contact hypersensitivity in 2/20 animals (guinea pig maximization study for 99% solution)

LACTIC ACID Oral rat LD50 3730 mg/kg
Oral mouse LD50 4875 mg/kg

SODIUM NITRITE Oral mouse LD50 175 mg/kg
Oral rabbit LD50 186 mg/kg
Oral rat LD50 180 mg/kg
Draize test, rabbit, eye: 500 mg/24H Mild

BORIC ACID Oral rat LD50 2660 mg/kg
Oral woman LDLo 200 mg/kg
Investigated as a mutagen, tumorigen, reproductive effector.

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: According to state, federal, provincial, and local regulations.

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14. TRANSPORT INFORMATION

Not regulated for transport by Transport Canada.

15. REGULATORY INFORMATION

N/Av

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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