

Section 1: Product and Company Identification

Material Name: *MB²* Concentrate **Item Code:** NW 1000
Product Use: Non-ionic surfactant
Issue Date: Oct 5, 2017 | **Version Number:** 01

Manufacturer: New Wave Cleaning Solutions, LLC
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Distributor: **New Wave Cleaning Solutions** Telephone: +1-702-982-0881 Email: newwaveclean@aol.com
LLC
Emergency Number: ChemTrec Domestic: 1-800-424-9300 / ChemTrec International: 1-830-672-2891

Section 2: Hazards Identification

Emergency Overview: Health injuries are not known or expected under normal use.

OSHA Regulatory Status: This product is considered not hazardous under 29 CFR 1910.120.

Potential Health

Effects Eyes: Health injuries are not known or expected under normal use.
Skin: Health injuries are not known or expected under normal use.
Inhalation: Health injuries are not known or expected under normal use.
Ingestion: Health injuries are not known or expected under normal use.

Label Elements:

Contains: Non-ionic surfactant
Signal Word: Warning; R36/38
Hazard Statement: H319 – Causes serious eye irritation
H316 – Causes mild skin irritation
Prevention: Response: P280 – Wear eye/face protection and protective gloves
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Note: The full text for all R- and H- phrases is displayed in Section 16.

Section 3: Composition / Information on Ingredients

Mixture

Chemical Name:	CAS#:	Range %
Deionized Water	7732-18-5	70 - 90
Alcohol Solvent	Proprietary	1 - 5
Alkanolamine	144538-83-0	1 - 5
Tall Oil Fatty Acid	61790-12-3	1 - 5
Potassium Hydroxide (50%)	1310-58-3	1 - 5
Non-ionic Surfactant	Proprietary	1 - 5
Non-ionic Surfactant	Proprietary	1 - 5

Note: In accordance with GHS Annex 4, section 3.3, some product identification is considered Confidential Business Information. The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

Section 4: First Aid Measures

General Information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Most important symptoms and effects, both acute and delayed: Irritation of eyes and mucous membranes. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

Indication of any immediate medical attention and special treatment needed: In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Eye Contact: Rinse with water. Get medical attention if irritation develops and persists.
Skin Contact: Rinse skin with water. Get medical attention if irritation develops and persists.
Inhalation: If breathing is difficult, remove to fresh air. Call a physician if symptoms develop or persist.
Ingestion: Rinse mouth with water. If ingestion of a large amount does occur, call a Poison Control Center immediately.
General Advice: If you feel unwell, seek medical advice (show the label when possible).

Section 5: Fire Fighting Measures

Flammable Properties: Non-combustible, substance itself does not burn.

Extinguishing Media

Suitable Media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable Media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical:

The product itself does not burn. No unusual fire or explosion hazards noted.

**Protective equipment and Precautions for firefighters:
Fire-fighting equipment or Instructions:**

Wear self-contained breathing apparatus and protective clothing.

No unusual fire or explosion hazards noted.

Section 6: Accidental Release Measures

Personal Precautions: Surfaces may become slippery after spillage. Keep unnecessary personnel away.
Environmental Precautions: Prevent further leakage or spillage if safe to do so.
Methods for Containment: Stop the flow of material, if this is without risk. Dike the spilled materials, where this is possible.
Methods for Cleaning Up
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled materials, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
Small Spills: Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see Section 13 of the MSDS.

Section 7: Handling and Storage

Handling: Do not get this material in contact with eyes. Wear personal protective equipment. Avoid prolonged exposure. Wash hands thoroughly after handling. Handle and open containers with care.
Storage: Store at ambient temperature and atmospheric pressure. Keep at temperatures above 5°C. Do not freeze. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

Section 8: Exposure Controls / Personal Protection

Exposure Controls Appropriate Engineering Controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide adequate general and local exhaust ventilation.

Environmental Exposure: No special measures required. Avoid release to the environment.

DNEL: Unavailable.

PNEC: Unavailable.

Personal Protective Equipment

Eye/Face Protection: Eye wash fountain is recommended. P280 - Wear safety glasses with side shields.

Skin/Hand Protection: Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory Protection: No personal respiratory protective equipment normally required.

General Hygiene: Handle in accordance with good industrial hygiene and safety practices.

Other: Normal work clothing (long sleeves and long pants) is recommended. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Section 9: Physical and Chemical Properties

Appearance: Clear, light amber liquid	Density: ~1.01 kg/L @ 15°C
Physical State: Liquid	Flash Point: No flash to 212°F (100°C) (ASTM D93 Closed Cup)
Form: Free flowing liquid	Flammability limits in air, upper, % by volume: Not available
Color: Yellow to Light amber	Flammability limits in air, lower, % by volume: Not available
Odor: Mild surfactant	Auto-Ignition Temperature: Not available
pH: 9.9 – 10.9 (ASTM E70)	VOC: None measurable by USEPA 601, 602, 608
Vapor Pressure: < 5 mm Hg @ 100°F (37.8°C) (ASTM D323)	Evaporation Rate: > 5 (Relative to xylene) (ASTM D1901)
Vapor Density: Not tested	Viscosity: <5 cPs @ 75°F (24°C) (ASTM D2196)
Boiling Point: 212°F (100°C) (ASTM D1120)	% Volatile including water: 93% by wt. @ 221°F (105°C) (ASTM D800)
Melting Point/Freezing Point: 32°F (0°C) (ASTM D97)	Decomposition Temperature: Not tested
Solubility (Water): 100% Soluble	Explosivity: Not applicable
Specific Gravity: ~1.01 @ 60/60°F (ASTM D891)	Surface Tension: 31.5 dynes/cm (ASTM D1331)

Section 10: Chemical Stability and Reactivity Information

Chemical Stability: Material is stable under normal conditions.

Conditions to Avoid: None under normal conditions.

Incompatible Materials: None available.

Hazardous Decomposition Products: No hazardous decomposition products are known.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Section 11: Toxicological Information

Toxicological Data Product: *MB² Aqueous Cleaner Concentrate*

Test Results:

Acute Dermal Toxicity LD ₅₀ - Rabbit: >2000 mg/kg bw
Acute Oral Toxicity LD ₅₀ - Rat: >5000 mg/kg bw
96-hr. Acute Toxicity LC ₅₀ - Pimephales promelas: 316 mg/L - 100% survival at 100 mg/L
10-day Acute Toxicity LC ₅₀ - Corophium volutator: >16203 (mg.kg ⁻¹)
72-hr. Toxicity EC ₅₀ – Skeletonema costatum: 18.74 (mg.kg ⁻¹)

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Skin Corrosion / Irritation: Repeated or prolonged exposure may cause skin irritation and dermatitis due to degreasing properties of the product. (Primary Skin Irritation in Rabbits: Cat. III, Moderate Irritation at 72-hrs.)
Mutagenicity: None known
Reproductive Effects: None known
Symptoms and Target Organs: Eye irritation, if splashed into eyes. (Primary Eye Irritation in Rabbits: Cat. II, Irritation clears in 8 – 21 days)
Further Information: This product has no known adverse effect on human health.

Section 12: Ecological Information

Ecotoxicity: Not expected to be harmful to aquatic organisms.
Persistence and Degradability: The product is biodegradable
Bioaccumulation / Accumulation: Does not bio accumulate. According to the results of tests of biodegradability, this product is considered as being readily biodegradable. (Modified Strum Test OECD 301B)
Mobility / Mobility in Soil: The product is miscible with water. May be spread in water systems.
Other Adverse Effects: Not expected to be harmful to aquatic organisms.

Section 13: Disposal Considerations

Disposal Instructions: 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.
Waste from Residues / Unused Product: Material should be recycled if possible.
Contaminated Packaging: Where possible, recycling is preferred to disposal or incineration.

Section 14: Transport Information

DOT (US): Not regulated as dangerous goods.
 Cleaning, Scouring, or Washing Liquid Compound, NOI, NMFC Item #48580, Sub. 3, Class 55
TDG (Canada): Not regulated as dangerous goods.
ADR (EU Road): Not regulated as dangerous goods.
RID (EU Rail): Not regulated as dangerous goods.
ADN (EU Water): Not regulated as dangerous goods.
IATA (Int'l Air): Not regulated as dangerous goods.
IMDG/IMO (Int'l Water): Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: No information available.

Section 15: Regulatory Information

US Federal Regulations: This product is not known to be a 'Hazardous Chemical' as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the USEPA TSCA Inventory List.

DEA. List 2, Essential Chemicals (21 CFT 1310.02(b) & 1310.04(f)(2)): Not regulated. DEA Essential Chemical Code Number: Not regulated.

DEA. List 1 & 2 Exempt Chemical Mixtures (21 CFT 1310.12(c)): Not regulated. DEA Exempt Chemical Mixture Code Number: Not regulated.

CERCLA (Superfund 1980) Reportable Quantity: None.

SARA (Superfund Amendments 1986): Immediate Hazard: No Delayed Hazard: No
Fire Hazard: No Pressure Hazard: No
Reactivity Hazard: No

SARA Section 302 Extremely Hazardous Substance: No

SARA Section 311 Hazardous Chemical: No

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Country(s) or Region	Inventory Name	On Inventory (yes/no)
Australia	AICS - Australian Inventory of Chemical Substances	Yes
Canada	DSL - Domestic Substances List	Yes
Canada	NDSL - Non-Domestic Substances List	No
China	IECSC - Inventory of Existing Chemical Substances in China	Yes
Europe	EINECS - European Inventory of New and Existing Chemicals	No
Europe	ELINCS - European List of Notified Chemical Substances	Yes
Japan	ENCS - Inventory of Existing and New Chemical Substances	Yes
Korea	ECL - Existing Chemicals List	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	PICCS - Philippine Inventory of Chemicals and Chemical Substances	Yes
United States & Puerto Rico	TSCA - Toxic Substances Control Act Inventory	Yes
A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)		
REACH – EU	Not available	

Section 16: Other Information

HMIS® Ratings: Health: 1 Flammability: 0 Physical Hazard: 0 Personal Hazard: 0
NFPA Ratings: Health: 1 Flammability: 0 Instability/Reactivity: 0

Full text of any statements or R- phrase and H-phrases under Section 2-15:

R36 Irritating to eyes
R38 Irritating to skin
H316 Causes mild skin irritation
H319 Causes serious eye irritation

Manufacturer Disclaimer: The information given within this SDS is correct to the best of our knowledge, information and belief at the date of its revision and publication. However, the manufacturer makes no representation, warranty or guarantee as to its accuracy, reliability or completeness, nor assumes any liability for its use. It is the user's responsibility to confirm in advance that the information is current, applicable and suitable to their circumstances for each particular use. No representation of ours has authority to waive this provision. Please call for document accuracy if the revision date has exceeded three (3) years.

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