SAFETY DATA SHEET

1. Product and Company Identification

Material name: Auto Mate AMP

SDS#:

Revision Date: 01/06/2016

Product use: Vehicle Wash

Chemical class: Mixture

Manufacturer:
Wayne Concept
5005 Speedway Drive
Fort Wayne, IN
Phone: (260) 482-8615 Fax: (260) 483-5598

Emergency: INFOTRAC (800) 535-5053

2. Hazards Identification

Signal Word: DANGER

GHS Classification:
Serious Eye Damage/Irritation; Category 2B
Acute Toxicity (oral); Category 4
Hazardous to aquatic environment, acute hazard; Category 4
Hazardous to aquatic environment, long term hazard; Category 3

Emergency overview: Prolonged contact with skin may cause irritation. May cause irritation of respiratory tract. Causes eye irritation.

Potential health effects

Eyes: Causes serious eye irritation and possible damage.

Skin: Prolonged contact with this product may cause irritation to the skin.

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Ingestion: Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea and diarrhea.

3. Composition /Information on Ingredients

Components	CAS#	Percent
Sodium laureth sulfate	68585-34-2	1 – 5
Cocoamide DEA (Alternative CAS 68155-07-7)	68603-42-9	1 - 5
Monoethanolamine	141-43-5	1 - 5
Benzenesulfonic acid, mono-C10-16- alkyl derivs., sodium salt	68081-81-2	5 – 10
Alcohols, C9-11, ethoxylated	68439-46-3	1 – 5
Tetrasodium ethyldiamine tetraacetate	64-02-8	1 – 5
Diethenolamine	111-42-2	< 0.12

4. First Aid Measures

First aid procedures

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Skin contact: For skin contact, only prolonged exposure may cause irritation. If irritation persists get medical attention. Immediately take off all contaminated clothing. Wash clothing separately before reuse.

Inhalation: If symptoms are experience, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If symptoms persist, get medical attention. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If ingestion of a large amount does occur, seek medical attention. DO NOT induce vomiting.

5. Fire Fighting Measure

Extinguishing media

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide.

Protection of firefighters

Protective equipment and Precautions for firefighters	As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHAINIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions	Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.
Environmental precautions	Prevent further leakage or spillage if safe to do so.
Methods for containment	Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Wear appropriate protective equipment and clothing during clean-up. Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Large Spills: Dike far ahead of liquid spill for later disposal.

7. Handling and Storage

Handling	Avoid contact with eyes. Wash hands thoroughly after handling.
Storage	Store in cool place. Keep in a well-ventilated place.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Components	Type	Value	**Form**
Diethanolamine (111-42-2)	TWA	1 mg/m3	Inhalable fraction and vapor.

U.S. -OSHA

Components	Type	Value	Form

Engineering controls	Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal protective equipment

General	Eye wash fountain and are recommended.
Eye / face protection	Wear chemical goggles.
Skin protection	Wear suitable protective clothing.
Respiratory protection	If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
General hygiene considerations	Eye wash fountain are recommended.

9. Physical & Chemical Properties

Color	Yellow.
Physical state	Liquid.
Odor	Lemon fragrance.
pH	11.3 ± 0.5
Freezing point	Unkown.
Boiling point	212 °F
Flash point	None to boiling
Evaporation rate	Slower than water
Flammability limits in air, upper, %by volume	NOT DETERMINED.
Vapor pressure	Not determined or unknown.
Vapor density	Estimated heavier than air.
Specific gravity	1.021 ± 0.005
Density	8.49 ± 0.05
Viscosity	Not determined

10. Stability & Reactivity

Chemical stability	Stable at normal conditions.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents, Nitrous acid and other nitrosating agents
Hazardous decomposition products	Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur. Nitrogen oxides (NOx). Ammonia
Possibility of hazardous **reactions**	Will not occur.

11. Toxicological Information

Sensitization

US ACGIH Threshold Limit Values: Skin designation

Diethanolamine (CAS 111-42-2) — Can be absorbed through the skin.

Carcinogenicity

ACGIH Carcinogens

Diethanolamine (CAS 111-42-2) — A3 Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cocoamide DEA (Alternative CAS68155-07-7) (CAS 68603-42-9) — 28 Possibly carcinogenic to humans.

Diethanolamine (CAS 111-42-2) — 28 Possibly carcinogenic to humans.

IARC Monographs: Evidence of carcinogenicity in humans

Diethanolamine (CAS 111-42-2) — Inadequate data.

Acute Toxicity

Component	Oral LD50	Inhalation LC50	Dermal LD50
Benzenesulfonic acid, mono.	1,260 mg/kg (Rat)	----------	>2,000 mg/kg (Rat)
Sodium Laureth Sulfate	>2,000 mg/kg (Rat)	----------	2,000 – 5,000 mg/kg (Rabbit)
Alcohols, C9-11, ethoxylated	>5,050 mg/kg (Rat)	----------	>2,000 mg/kg (Rat)
Monoethanolamine	1,089 mg/kg (Rat)	----------	2,504-2,881 mg/kg (Rabbit)
Tetrasodium EDTA	3,030 mg/kg (Rat)	----------	>5,000 mg/kg (Rabbit)

12. Ecological Information

Ecotoxicological data

Components	Test Results
Dlethanolamine (111-42-2)	EC50 Water flea (Ceriodaphnia dubia): 61.8- 86.04 mg/1 48 hours
	LC50 Fathead minnow (Pimephales promelas): >100mg/1 96 hours
Sodium Laureth Sulfate (68585-34-2)	EC50 Algae; >56 ppm, 72 h
	EC50 Crustacea (daphnia); >13 ppm, 48 h
	LC50 fish; 2.3 mg/l, 96 h
Alcohols, C9-11, ethoxylated (68439-46-3)	EC50 Algae; 1.4 mg/l, 96 h
	EC50 Crustacea (daphnia); 2.5 mg/l, 48 h
	LC50 Fish (oncorhynchus mykiss); 5 – 7 mg/l, 96 h
Monoethanolamine (141-43-5)	EC50 Algae; 2.5 mg/l, 72 h
	EC50 Crustacea (daphnia); 65 mg/l, 48 h
	LC50 Fish; 349 mg/l, 96 h static
Benzenesulfonic acid, mono. (68081-81-2)	EC50 Alge; 29 mg/l, 96 h
	EC50 Crustacea (daphnia); 2.9 mg/l, 48 h
	LC50 Fish (bluegill); 1.67 mg/l, 96 h
Tetrasodium EDTA (64-02-8)	LC50 Fish (bluegill); 157 – 2,070 mg/l

Ecotoxlclty	Readily biodegradable.

13. Disposal Considerations

Disposal Instructions	Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

14. Transport Information

DOT/IMDG/IATA Hazard Classification: Non-Hazardous, not regulated

Hazardous: N

Shipping Name: LIQUID CLEANING COMPOUNDS

Freight Class: 55

15. Regulatory Information

US federal regulations

US CERCLA Hazardous Substances: Reportable quantity

Diethanolamine (CAS 111-42-2)	100 LBS

US EPCRA (SARA Title III) Section 313- Toxic Chemical: De minimis concentration

Diethanolamine (CAS 111-42-2)	1.0%

US EPCRA (SARA Title III) Section 313- Toxic Chemical: Listed substance

Diethanolamine (CAS 111-42-2)	Listed.

Reportable Quantity — Reportable Quantity (RQ) of this product is 50,000 pounds based upon Diethanolamine(111-42-2) which yielded the lowest resultant RQ according to the following formula: CERCLA ingredient RQ / % of that ingredient in the product.

CERCLA (Superfund) reportable quantity

Diethanolamine 100

Superfund Amendments and Reauthorization Act of 1986(SARA)

Section 302 extremely **hazardous substance**	No
Section 311 hazardous chemical	Yes

Inventory status

Country(s) or region	**Inventory name**	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China(IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List(ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS) .	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations — California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.:

US- California Proposition 65- Carcinogens & Reproductive Toxicity (CRT): Listed substance

Cocoamide DEA(CAS 68603-42-9)	Listed
Diethanolamine (CAS 111-42-2)	Listed.

US- California Proposition 65- CRT: Listed date/Carcinogenic substance

Cocoamide DEA(Alternative CAS68155-07-7) (CAS 68603-42-9) Carcinogenic.	Listed: June 22, 2012
Diethanolamine (CAS 111-42-2)	Listed: June 22, 2012 Carcinogenic.

US - New Jersey Community RTK (EHS Survey): Reportable threshold Diethanolamine (CAS 111-42-2) 500 LBS

US- New Jersey RTK- Substances: Listed substance

Diethanolamine (CAS 111-42-2)	Substance no. 0686

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Diethanolamine (CAS 111-42-2)	Listed.

16. Other Information

Further information	HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 0 Flammability: 0 Physical hazard: 0 Personal protection: A
NFPA ratings	Health: 0 Flammability: 0 Instability: 0
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