

Material Safety Data Sheet



Armor All Professional
A Unit of Zep Inc.
1310 Seaboard Industrial Blvd.
Atlanta, GA 30318
1-866-ARMORALL (276-6725)
www.armorallpro.com

Section 1. Chemical Product and Company Identification

Product name AAP YELLOW CLEARCOAT
Product use Car care products.
Product code H435
Date of issue 01/09/12 **Supersedes** 06/28/01

Emergency Telephone Numbers

For MSDS Information:

Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency

(877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency

CHEMTREC: (800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

Prepared By

Compliance Services
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Printing date: 01/09/12

Section 2. Hazards Identification

Emergency overview

*Hazard Determination System (HDS): Health, Flammability, Reactivity

WARNING!



COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED. CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

Routes of Entry

Dermal contact. Eye contact.

Eyes

Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin

Causes skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

Inhalation

Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.

Ingestion

Harmful if swallowed. Ingestion may cause gastrointestinal irritation and diarrhea.

Chronic effects

Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Contains material which may cause damage to the following organs: blood, kidneys, the nervous system, liver, lymphatic system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Carcinogenicity

No known significant effects or critical hazards.

Product/ingredient name

ACGIH

IARC

EPA

NIOSH

NTP

OSHA

2-butoxyethanol

A3

3

-

-

-

-

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

CAS number

% by Weight

| | | |
|---|-------------|---------|
| N,N-DIMETHYL-DODECYLAMINE-N-OXIDE; n-dodecyl-dimethylamine oxide; lauramine oxide | 1643-20-5 | 10 - 20 |
| PROPRIETARY CATIONIC SURFACTANT | Proprietary | 5 - 15 |
| COCOAMIDOPROPYL BETAINE | 70851-07-9 | 5 - 15 |
| ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve | 111-76-2 | 1 - 10 |
| MINERAL SEAL OIL; mineral oil; petrolatum | 64741-44-2 | 1 - 10 |

Section 4. First Aid Measures

- Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation occurs.
- Inhalation** Move exposed person to fresh air. If irritation persists, get medical attention.
- Ingestion** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



- Flash Point** Closed cup: 79.44°C (175°F)
- Flammable Limits** Not available.
- Flammability** COMBUSTIBLE LIQUID AND VAPOR.
- Fire hazard** Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
- Fire-Fighting Procedures** Use dry chemical, CO₂, water spray (fog) or foam.

Section 6. Accidental Release Measures

- Spill Clean up** Eliminate all ignition sources. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment.

Section 7. Handling and Storage

- Handling** Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Store and use away from heat, sparks, open flame or any other ignition source. Empty containers retain product residue and can be hazardous. Wash thoroughly after handling. Do not reuse container.
- Storage** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve

MINERAL SEAL OIL; mineral oil; petrolatum

Exposure limits**NIOSH REL (United States, 6/2009).** Absorbed through skin.

TWA: 5 ppm 10 hour(s).

TWA: 24 mg/m³ 10 hour(s).**ACGIH TLV (United States, 2/2010).**

TWA: 20 ppm 8 hour(s).

OSHA PEL (United States, 6/2010). Absorbed through skin.

TWA: 50 ppm 8 hour(s).

TWA: 240 mg/m³ 8 hour(s).**OSHA PEL 1989 (United States, 3/1989).** Absorbed through skin.

TWA: 25 ppm 8 hour(s).

TWA: 120 mg/m³ 8 hour(s).**OSHA PEL (United States).**: 5 mg/m³ 8 hour(s). Form: Mist**ACGIH TLV (United States).**

: 5 ppm 8 hour(s). Form: Mist

Personal Protective Equipment (PPE)

- Eyes** Safety glasses.
- Body** Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves. Neoprene gloves. Nitrile gloves.
- Respiratory** Avoid breathing vapors, spray or mists. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.



Section 9. Physical and Chemical Properties

| | | | |
|-------------------------|---|-------------------------|----------------|
| Physical State | Liquid. | Color | Yellow. |
| pH | 6.5 to 7.5 | Odor | Butyl |
| Boiling Point | 104°C (219.2°F) | Vapor Pressure | Not available. |
| Specific Gravity | 0.95 | Vapor Density | Not available. |
| Solubility | Soluble in the following materials: cold water and hot water. | Evaporation Rate | 1 (Water = 1) |
| | | VOC (Consumer) | 147.2 g/l |

Section 10. Stability and Reactivity

| | |
|---|--|
| Stability and Reactivity | The product is stable. |
| Incompatibility | Reactive or incompatible with the following materials: oxidizing materials. |
| Hazardous Polymerization | Under normal conditions of storage and use, hazardous polymerization will not occur. |
| Hazardous Decomposition Products | carbon oxides (CO, CO ₂) |

Section 11. Toxicological Information**Acute Toxicity**

| | | | | |
|--|-----------------------|------------|-------------|---------|
| n,n-Dimethyl-Dodecylamine-n-Oxide | LD50 Oral | Mouse | 2700 mg/kg | - |
| | LD50 Oral | Rat | 1518 mg/kg | - |
| Cationic Surfactant | LD50 Oral | Rat | 1000 mg/kg | - |
| 2-butoxyethanol | LC50 Inhalation Gas. | Rat | 450 ppm | 4 hours |
| | LC50 Inhalation Vapor | Guinea pig | >633 ppm | 1 hours |
| | LD50 Dermal | Guinea pig | >2000 mg/kg | - |
| | LD50 Dermal | Rabbit | 220 mg/kg | - |
| | LD50 Oral | Guinea pig | 1200 mg/kg | - |
| | LD50 Oral | Rat | 250 mg/kg | - |
| Distillates (petroleum), straight-run middle | LC50 Inhalation Vapor | Rat | 1700 mg/m3 | 4 hours |

Section 12. Ecological Information

Environmental Effects Not available.

Aquatic Ecotoxicity

| Product/ingredient name | Test | Result | Species | Exposure |
|-------------------------|------|--------------------------------------|---|----------|
| 2-butoxyethanol | - | Acute EC50 >1000 mg/L Fresh water | Daphnia - Water flea - Daphnia magna - <24 hours | 48 hours |
| | - | Acute LC50 >1000 mg/L Marine water | Crustaceans - Amphipod - Chaetogammarus marinus - Young - 5 mm | 48 hours |
| | - | Acute LC50 1490000 ug/L Fresh water | Fish - Bluegill - Lepomis macrochirus - 33 to 75 mm | 96 hours |
| | - | Acute LC50 1250000 ug/L Marine water | Fish - Inland silverside - Menidia beryllina - 40 to 100 mm | 96 hours |
| | - | Acute LC50 800000 ug/L Marine water | Crustaceans - Common shrimp, sand shrimp - Crangon crangon | 48 hours |

Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: -
Classification: - [Non-hazardous waste]

Section 14. Transport Information

| Regulatory information | UN number | Proper shipping name | Classes | PG* | Label |
|---------------------------|----------------|--|---------|-----|-------|
| DOT Classification | Not regulated. | Not a DOT controlled material (United States). | | | |
| MDG Class | Not available. | | | | |

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG* : Packing group

Section 15. Regulatory Information

U.S. Federal Regulations

SARA 313 toxic chemical notification and release reporting:

Product name

2-butoxyethanol

All Components of this product are listed or exempt from listing on TSCA Inventory.

TSCA 8(a) IUR: Not determined

United States inventory (TSCA 8b): Not determined.

State Regulations

California Prop 65

WARNING: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.:
Cationic Surfactant

Section 16. Other Information

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.