

Material Safety Data Sheet

ARMOR ALL PROFESSIONAL® AHS POLISH RED

1. Product and company identification

Trade name of product : ARMOR ALL PROFESSIONAL® AHS POLISH RED
Product use : Maintenance Product

Product dilution information : Up to 2.8 oz/10gal or 2.2 mL/L in water

Supplier's Information

Zep Vehicle Care
 2930 Waters Road
 Suite 230
 Eagan, MN 55121

Phone: 1-877-3269274

Emergency Telephone Numbers

For MSDS information: Technical Services 1-780-453-8100
 Business Hours 8:00am -5:00pm

For Medical and Transportation Emergency: CANUTEC (24 Hours) 613-996-6666
 Call Collect

Code : 915342

Date of issue : 8 MARCH 2015

2. Hazards identification

Product AS SOLD

Physical state : Liquid.

Emergency overview : WARNING !

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
 MAY CAUSE ALLERGIC SKIN REACTION.

Avoid contact with eyes, skin and clothing. Avoid breathing vapours, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Routes of entry : Skin contact, Eye contact, Inhalation, Ingestion

Potential acute health effects

Product AS SOLD

Eyes : Severely irritating to eyes.

Skin : Irritating to skin. May cause sensitisation by skin contact.

Inhalation : Irritating to respiratory system.

Ingestion : No known significant effects or critical hazards.

Product AT USE DILUTION

Liquid.
 CAUTION !

No specific hazard.

No specific hazard.

Product AT USE DILUTION

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

See toxicological information (Section 11)

3. Composition/information on ingredients

Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
COCAMIDOPROPYL BETAINE	61789-40-0	15 - 40
CITRIC ACID	77-92-9	1 - 5
sodium n-(2-carboxyethyl)-n-(2-ethylhexyl)-.beta.-alaninate	94441-92-6	1 - 5
BENZALDEHYDE	100-52-7	0.5 - 1.5
GLYCERIN	56-81-5	0.5 - 1.5
alcohols, c9-11, ethoxylated	68439-46-3	0.5 - 1.5

3. Composition/information on ingredients

Product AT USE DILUTION

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

4. First-aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention.	No known effect after eye contact. Rinse with water for a few minutes.
Skin contact	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.	No known effect after skin contact. Rinse with water for a few minutes.
Inhalation	: If inhaled, remove to fresh air. Get medical attention if irritation persists.	No special measures required. Treat symptomatically.
Ingestion	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.

5. Fire-fighting measures

Product AS SOLD

Auto-ignition temperature	: Not available.
Flammable limits	: Not available.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
Special remarks on fire hazards	: Not available.
Special remarks on explosion hazards	: Not available.
Fire-fighting media and instructions	: Use an extinguishing agent suitable for the surrounding fire. Dyke area of fire to prevent runoff. In a fire or if heated, a pressure increase will occur and the container may burst.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
Personal precautions	: Use personal protective equipment as required.	Use personal protective equipment as required.
Environmental precautions	: Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.
Methods for cleaning up	: Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

7. Handling and storage

Handling	Product AS SOLD	Product AT USE DILUTION Wash thoroughly after handling.
	: Avoid contact with eyes, skin and clothing. Avoid breathing vapours, spray or mists. Keep container closed. Use only with adequate ventilation. Do not mix with bleach or other chlorinated products - will cause chlorine gas. Wash thoroughly after handling.	
Storage	Product AS SOLD	Keep out of reach of children.
	: Keep out of reach of children. Store in a closed container. Do not store below the following temperature: 0°C	

8. Exposure controls/personal protection

Engineering measures	Product AS SOLD	Product AT USE DILUTION Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.	
Personal protection		
Eyes	: Wear eye protection.	No protective equipment is needed under normal use conditions.
Hands	: Use chemical-resistant, impervious gloves.	No protective equipment is needed under normal use conditions.
Skin	: Use suitable protective equipment.	No protective equipment is needed under normal use conditions.
Respiratory	: Avoid breathing vapours, spray or mists.	No special protection is required.

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			Notations
Ingredient	List name	ppm	mg/m ³	Other	ppm	mg/m ³	Other	ppm	mg/m ³	Other	
benzaldehyde	ON 7/2010	-	-	-	4	17	-	-	-	-	
	US AIHA 5/2010	2	-	-	4	-	-	-	-	-	[3]
glycerin	US ACGIH 2/2010	-	10	-	-	-	-	-	-	-	
	AB 4/2009	-	10	-	-	-	-	-	-	-	[3] [a]
	BC 9/2010	-	10	-	-	-	-	-	-	-	[a]
		-	3	-	-	-	-	-	-	-	[b]
	ON 7/2010	-	10	-	-	-	-	-	-	-	
	QC 6/2008	-	10	-	-	-	-	-	-	-	[c]

[3]Skin sensitisation

Form: [a]Mist [b]Respirable mist [c]mist

9. Physical and chemical properties

Physical state	Product AS SOLD	Product AT USE DILUTION Liquid.
	: Liquid.	
Flash point	Product AS SOLD	Liquid. > 100°C
	: > 100°C Product does not support combustion.	
Colour	: Red [Dark]	Red
Odour	: Fragrance-like	Faint odour
pH	: 2.5 to 5 [Conc. (% w/w): 100%]	3.5 to 3.7
Boiling/condensation point	: 100°C (212°F)	
Melting/freezing point	: Not available.	
Relative density	: 1.06 to 1.08	
Vapour pressure	: Not available.	

9. Physical and chemical properties

- Vapour density** : Not available.
Odour threshold : Not available.
Evaporation rate : Not available.
Viscosity : Not available.
Dispersibility : Not available.
properties
Solubility : Easily soluble in the following materials: cold water and hot water.
LogK_{ow} : Not available.

10. Stability and reactivity

Product AS SOLD

- Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions of instability : Not available.
Reactivity : Slightly reactive or incompatible with the following materials: alkalis. Do not mix with bleach or other chlorinated products - will cause chlorine gas.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerisation : Under normal conditions of storage and use, hazardous polymerisation will not occur.

11. Toxicological information

Potential acute health effects

- Product AS SOLD**
- Eyes** : Severely irritating to eyes.
Skin : Irritating to skin. May cause sensitisation by skin contact.
Inhalation : Irritating to respiratory system.
Ingestion : No known significant effects or critical hazards.

Product AT USE DILUTION

No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Product AS SOLD

Potential chronic health effects

- Carcinogenic effects** : No known significant effects or critical hazards.
Mutagenic effects : No known significant effects or critical hazards.
Teratogenic effects : No known significant effects or critical hazards.
Reproductive effects : No known significant effects or critical hazards.
Sensitization to Product : May cause sensitisation by skin contact.
Synergistic products (toxicologically) : Not available.

Toxicity data

Product/ingredient name	Test	Route	Result	Species
1-propanaminium, 3-amino-n-(carboxymethyl)-n,n-dimethyl-, n-coco acyl derivs., inner salts	LD50	Oral	2600 mg/kg	Rat
citric acid	LD50	Dermal	>2000 mg/kg	Rat
	LD50	Oral	11700 mg/kg	Rat
benzaldehyde	LD50	Oral	2020 mg/kg	Mammal - species unspecified

11. Toxicological information

	LD50	Oral	2020 mg/kg	Mouse
	LD50	Oral	1300 mg/kg	Rat
	LD50	Oral	1000 mg/kg	Guinea pig
	LD50	Oral	28 mg/kg	Mouse
	LDLo	Oral	714.3 mg/kg	Human
alcohols, c9-11, ethoxylated	LD50	Oral	1378 mg/kg	Rat
glycerin	LD50	Dermal	23000 mg/kg	Rabbit
	LD50	Oral	18300 mg/kg	Rat
	LC50	Inhalation	>2.75 mg/l	Rat

Other adverse effects

Target organs : Contains material which may cause damage to the following organs: kidneys, the nervous system, upper respiratory tract, central nervous system (CNS).

12. Ecological information

Ecotoxicity : Not reported

13. Disposal considerations

Product AS SOLD

Waste disposal : Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Product AS SOLD

TDG Classification : Not regulated.

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

15. Regulatory information

Product AS SOLD

WHMIS : Class D-2B: Material causing other toxic effects (Toxic).

Product AT USE DILUTION

Not hazardous by WHMIS criteria.

Canada inventory : At least one component is not listed in DSL but all such components are listed in NDSL.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.) :

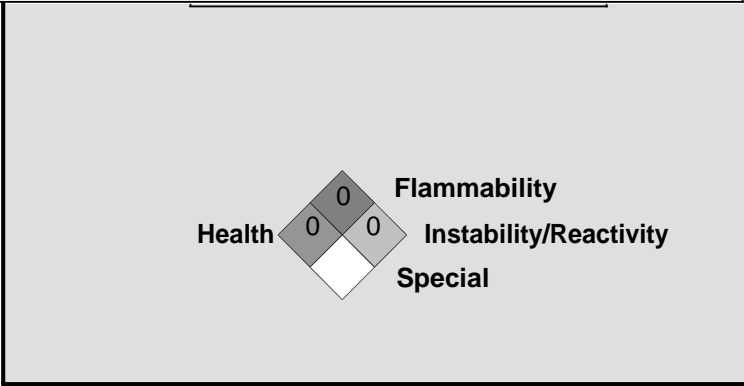
Health	*	2
Flammability		0
Physical hazards		0

Product AT USE DILUTION

Health		0
Flammability		0
Physical hazards		0

16. Other information

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



Date of issue : 8 MARCH 2015
 Responsible name : Compliance Services
 1-877-428-9937, menu option #6, then option #2

☑ Indicates information that has changed from previously issued version.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.