

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Material number : V29235

Manufacturer or supplier's details

Company : Zep Inc.

Address : 350 Joe Frank Harris Parkway, SE
Emerson, GA 30137

Telephone : 404-352-1680

Emergency telephone numbers

For SDS Information : Compliance Services 1-877-428-9937

For a Medical Emergency : 877-541-2016 Toll Free - All Calls Recorded

For a Transportation Emergency : CHEMTREC: 800-424-9300 - All Calls Recorded.
In the District of Columbia 202-483-7616

Recommended use of the chemical and restrictions on use

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	liquid
Colour	orange
Odour	slight

GHS Classification

Skin corrosion : Category 1

Serious eye damage : Category 1

Respiratory sensitisation : Category 1

Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Health hazard

Corrosion

Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284 Wear respiratory protection.
Response:
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P362 Take off contaminated clothing and wash before reuse.
Disposal:
P501 Dispose of contents/container in accordance with local regulation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration [%]
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	>= 10 - < 30
propane-1,2-diol	57-55-6	>= 5 - < 10
Sodium lauryl ether sulfate	9004-82-4	>= 1 - < 5
trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate	1934-21-0	>= 1 - < 5
(2-methoxymethylethoxy)propanol (Mixture of isomers)	34590-94-8	>= 1 - < 5
benzaldehyde	100-52-7	>= 1 - < 5
Amines, tallow alkyl, ethoxylated	61791-26-2	>= 1 - < 5
2-aminoethanol	141-43-5	>= 1 - < 5
citric acid	77-92-9	>= 1 - < 5
sulphuric acid	7664-93-9	>= 0.1 - < 1

The exact percentages of disclosed substances are withheld as trade secrets.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

- Get medical attention immediately.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : Call a physician or poison control centre immediately.
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
Wash off immediately with plenty of water for at least 15 minutes.
Remove contaminated clothing and shoes.
Wash contaminated clothing before reuse.
If skin irritation persists, call a physician.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Effects are immediate and delayed.
Symptoms may include blistering, irritation, burns, and pain. Effects are dependent on exposure (dose, concentration, contact time).
Symptoms may include difficulty breathing, coughing, wheezing, throat irritation, and tightness/closure of airway.

Causes severe skin burns and eye damage.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Review section 2 of SDS to see all potential hazards.
- Notes to physician : Treat symptomatically. Symptoms may be delayed.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

Specific hazards during firefighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: Carbon dioxide (CO ₂) Carbon monoxide Sulphur oxides Smoke Nitrogen oxides (NO _x)
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Standard procedure for chemical fires.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains, inform respective authorities.
Methods and materials for containment and cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Conditions for safe storage	: Keep container tightly closed in a dry and well-ventilated

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

place.
 Observe label precautions.
 Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Store and keep away from bases and alkalies.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis		
propane-1,2-diol	57-55-6	TWA	10 mg/m ³	US WEEL		
(2-methoxymethylethoxy)propano I (Mixture of isomers)	34590-94-8	TWA	100 ppm	ACGIH		
		STEL	150 ppm	ACGIH		
		ST	150 ppm 900 mg/m ³	NIOSH REL		
		TWA	100 ppm 600 mg/m ³	NIOSH REL		
		TWA	100 ppm 600 mg/m ³	OSHA Z-1		
		TWA	100 ppm 600 mg/m ³	OSHA P0		
		STEL	150 ppm 900 mg/m ³	OSHA P0		
benzaldehyde	100-52-7	STEL	150 ppm 900 mg/m ³	CAL PEL		
		PEL	100 ppm 600 mg/m ³	CAL PEL		
		TWA	2 ppm	US WEEL		
		STEL	4 ppm	US WEEL		
		2-aminoethanol	141-43-5	TWA	3 ppm	ACGIH
				STEL	6 ppm	ACGIH
				TWA	3 ppm 8 mg/m ³	NIOSH REL
ST	6 ppm 15 mg/m ³			NIOSH REL		
TWA	3 ppm 6 mg/m ³			OSHA Z-1		
STEL	6 ppm 15 mg/m ³	OSHA P0				
TWA	3 ppm 8 mg/m ³	OSHA P0				
PEL	3 ppm 8 mg/m ³	CAL PEL				
STEL	6 ppm 15 mg/m ³	CAL PEL				
sulphuric acid	7664-93-9	TWA (Thoracic fraction)	0.2 mg/m ³	ACGIH		

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

		TWA	1 mg/m3	NIOSH REL
		TWA	1 mg/m3	OSHA Z-1
		TWA	1 mg/m3	OSHA P0
		PEL	0.1 mg/m3	CAL PEL
		STEL	3 mg/m3	CAL PEL

Engineering measures : effective ventilation in all processing areas

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection

Material : Protective gloves

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection

: Access to clean water to rinse eyes must be available, options include: eye wash stations or showers, or eye wash bottles with pure water.

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection

: Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

: When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : orange

Odour : slight

Odour Threshold : No data available

pH : < 1.1

Melting point/freezing point : No data available

Boiling point : > 100 °C

Flash point : > 100 °C

Evaporation rate : No data available

Upper explosion limit : No data available

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: 1.045 - 1.055 g/cm ³
Solubility(ies)	
Water solubility	: soluble in hot water, soluble in cold water
Solubility in other solvents	: soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: not determined
Thermal decomposition	: No data available
Viscosity	
Viscosity, kinematic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed.
Conditions to avoid	: No data available
Incompatible materials	: Bases
Hazardous decomposition products	: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Aggravated Medical Condition	: None known.
Symptoms of Overexposure	: Effects are immediate and delayed. Symptoms may include blistering, irritation, burns, and pain. Effects are dependent on exposure (dose, concentration, contact time). Symptoms may include difficulty breathing, coughing, wheezing, throat irritation, and tightness/closure of airway.

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

Causes severe skin burns and eye damage.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Review section 2 of SDS to see all potential hazards.
Treat symptomatically. Symptoms may be delayed.

Carcinogenicity:

IARC	Group 1: Carcinogenic to humans sulphuric acid	7664-93-9
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.	
NTP	Known to be human carcinogen sulphuric acid	7664-93-9

Acute toxicity

Product:

Acute oral toxicity	: Acute toxicity estimate : 2,531 mg/kg Method: Calculation method
Acute inhalation toxicity	: Acute toxicity estimate : > 200 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method

Components:

2-aminoethanol:

Acute oral toxicity	: LD50 Oral Mouse: 700 mg/kg LD50 Oral Rat: 1,515 mg/kg
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Acute inhalation toxicity	: LC50 Mouse: > 1.21 mg/l
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citric acid:

Acute oral toxicity	: LD50 Oral Rat: 5,400 mg/kg
Acute dermal toxicity	: LD50 Dermal Rabbit: > 2,000 mg/kg

Skin corrosion/irritation

Product:

Remarks: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Product:

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Product:

Remarks: Causes sensitisation.

Components:

trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate:

Classification: May cause sensitisation by inhalation.

Classification: May cause sensitisation by skin contact.

benzaldehyde:

Classification: May cause sensitisation by inhalation.

Classification: May cause sensitisation by skin contact.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

Persistence and degradability

No data available

Bioaccumulative potential

Product:

Partition coefficient: n-octanol/water : Remarks: No data available

Components:

propane-1,2-diol :

Partition coefficient: n-octanol/water : log Pow: -1.07

(2-methoxymethylethoxy)propanol (Mixture of isomers) :

Partition coefficient: n-octanol/water : Pow: 0.0043

benzaldehyde :

Partition coefficient: n-octanol/water : log Pow: 1.5

2-aminoethanol :

Partition coefficient: n-octanol/water : log Pow: -1.31

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):
UN2586, Alkyl sulfonic acids, liquid, 8, III

Transportation Regulation: IMDG (Vessel):
UN2586, ALKYL SULPHONIC ACIDS, LIQUID, 8, III

Transportation Regulation: IATA (Cargo Air):
UN2586, Alkylsulphonic acids, liquid, 8, III

Transportation Regulation: IATA (Passenger Air):
UN2586, Alkylsulphonic acids, liquid, 8, III

Transportation Regulation: TDG (Canada):
UN2586, ALKYL SULFONIC ACIDS, LIQUID, 8, III

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

SECTION 15. REGULATORY INFORMATION

TSCA list : No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sulphuric acid	7664-93-9	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sulphuric acid	7664-93-9	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitisation

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:
sulphuric acid 7664-93-9 0.171 %

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65



WARNING: This product can expose you to chemicals including 1,4-dioxane, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

The components of this product are reported in the following inventories:

DSL All components of this product are on the Canadian DSL
TSCA On TSCA Inventory

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

Inventory Acronym and Validity Area Legend:

TSCA (USA), DSL (Canada), NDSL (Canada)

SECTION 16. OTHER INFORMATION

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

Further information

NFPA:

HEALTH	3
FLAMMABILITY	1
INSTABILITY	0
SPECIAL HAZARD.	

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme

HMIS III:

HEALTH	3*
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

OSHA - GHS Label Information:

Hazard pictograms :



Health hazard

Corrosion

Signal word :

Danger:

Hazard statements :

Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements :

Prevention: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wear respiratory protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. If skin irritation or rash occurs: Get medical advice/ attention. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. Take off contaminated clothing and wash before reuse.

SAFETY DATA SHEET

ARMOR ALL PROFESSIONAL AHS CONDITIONER YELLOW

Version 4.2

Revision Date 04/22/2020

Print Date 06/06/2020

Disposal: Dispose of contents/container in accordance with local regulation.

Version:	4.2
Revision Date:	04/22/2020
Print Date:	06/06/2020

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