

# Material Safety Data Sheet

## ARMOR ALL PROFESSIONAL® AHS CLEAR COAT PROTECTANT

### 1. Product and company identification

**Trade name of product** : ARMOR ALL PROFESSIONAL® AHS CLEAR COAT PROTECTANT  
**Product use** : Cleaning product

**Product dilution information** : Up to 1:460 (0.22%) 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** : 915337

**Date of issue** : 8 MARCH 2015

### 2. Hazards identification

**Product AS SOLD**

**Physical state** : Liquid.

**Emergency overview** : DANGER !

CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.  
 CAUSES RESPIRATORY TRACT IRRITATION.  
 COMBUSTIBLE LIQUID AND VAPOUR.  
 HARMFUL OR FATAL IF SWALLOWED.  
 ASPIRATION HAZARD.  
 CAN ENTER LUNGS AND CAUSE DAMAGE.  
 Can cause central nervous system (CNS) depression.

Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing vapours, spray or mists. Keep away from heat, sparks and flame. 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** : Corrosive to eyes.

**Skin** : Corrosive to the skin.

**Inhalation** : Irritating to respiratory system. High vapour concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.

**Ingestion** : Causes burns to mouth, throat and stomach. May be harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage. Ingestion may cause nausea, weakness and central nervous system effects.

**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>%byweight</u>
DICOCODIMONIUM CHLORIDE	61789-77-3	10 - 30
BUTOXYETHANOL	111-76-2	10 - 30
amines, tallow alkyl, ethoxylated	61791-26-2	7 - 13
ISOPROPYL ALCOHOL	67-63-0	3 - 7
Orange Vanilla Fragrance		3 - 7

#### 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
<b>Eye contact</b>	: 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 immediately.	No known effect after eye contact. Rinse with water for a few minutes.
<b>Skin contact</b>	: 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 immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: If inhaled, remove to fresh air. Get medical attention if irritation persists.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.	Get medical attention if symptoms occur.

### 5. Fire-fighting measures

#### Product AS SOLD

<b>Auto-ignition temperature</b>	: Not available.
<b>Flammable limits</b>	: Not available.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
<b>Special remarks on fire hazards</b>	: Not available.
<b>Special remarks on explosion hazards</b>	: Not available.
<b>Fire-fighting media and instructions</b>	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.  Use water spray to keep fire-exposed containers cool. Dyke area of fire to prevent runoff. 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.
<b>Special protective equipment for fire-fighters</b>	: 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

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Personal precautions</b>	: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilt material.	Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact 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.
<b>Methods for cleaning up</b>	: Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralise liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labelled container. Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

## 7. Handling and storage

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Handling</b>	: Do not ingest. Do not get in eyes, on skin, or on clothing. Avoid breathing vapours, spray or mists. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.	Wash thoroughly after handling.
<b>Storage</b>	: Keep out of reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Store in a closed container. Keep container tightly closed. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Store between the following temperatures: 0 and 50°C	Keep out of reach of children.

## 8. Exposure controls/personal protection

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Engineering measures</b>	: 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. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>		
<b>Eyes</b>	: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.	No protective equipment is needed under normal use conditions.
<b>Hands</b>	: Use chemical-resistant, impervious gloves.	No protective equipment is needed under normal use conditions.
<b>Skin</b>	: Use synthetic apron, other protective equipment as necessary to prevent skin contact.	No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: Avoid breathing vapours, spray or mists.	No special protection is required.

## 8. Exposure controls/personal protection

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	Notations
2-butoxyethanol	US ACGIH 2/2010	20	-	-	-	-	-	-	-	-	
	AB 4/2009	20	97	-	-	-	-	-	-	-	[3]
	BC 9/2010	20	-	-	-	-	-	-	-	-	
	ON 7/2010	20	-	-	-	-	-	-	-	-	[1]
	QC 6/2008	20	97	-	-	-	-	-	-	-	
propan-2-ol	US ACGIH 2/2010	200	-	-	400	-	-	-	-	-	
	AB 4/2009	200	492	-	400	984	-	-	-	-	
	BC 9/2010	200	-	-	400	-	-	-	-	-	
	ON 7/2010	200	-	-	400	-	-	-	-	-	
	QC 6/2008	400	983	-	500	1230	-	-	-	-	

[1]Absorbed through skin. [3]Skin sensitisation

## 9. Physical and chemical properties

Product AS SOLD		Product AT USE DILUTION
<b>Physical state</b>	: Liquid.	Liquid.
<b>Flash point</b>	: 48 °C (Closed cup) Product does not support combustion.	> 100°C
<b>Colour</b>	: Brown	Colourless.
<b>Odour</b>	: Fragrance-like	Faint odour
<b>pH</b>	: 6.5 to 9.5 [Conc. (% w/w): 100%]	8.2 to 8.5
<b>Boiling/condensation point</b>	: Not available.	
<b>Melting/freezing point</b>	: Not available.	
<b>Relative density</b>	: 0.89 to 0.91	
<b>Vapour pressure</b>	: Not available.	
<b>Vapour density</b>	: Not available.	
<b>Odour threshold</b>	: Not available.	
<b>Evaporation rate</b>	: Not available.	
<b>Viscosity</b>	: Not available.	
<b>Dispersibility properties</b>	: Not available.	
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.	
<b>LogK<sub>ow</sub></b>	: Not available.	

## 10. Stability and reactivity

Product AS SOLD	
<b>Stability</b>	: The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
<b>Conditions of instability</b>	: Not available.
<b>Reactivity</b>	: Not available.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Hazardous polymerisation</b>	: Under normal conditions of storage and use, hazardous polymerisation will not occur.

## 11. Toxicological information

### Potential acute health effects

	Product AS SOLD
<b>Eyes</b>	: Corrosive to eyes.
<b>Skin</b>	: Corrosive to the skin.
<b>Inhalation</b>	: Irritating to respiratory system. High vapour concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
<b>Ingestion</b>	: Causes burns to mouth, throat and stomach. May be harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage. Ingestion may cause nausea, weakness and central nervous system effects.

### 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

<b>Carcinogenic effects</b>	: No known significant effects or critical hazards.
<b>Mutagenic effects</b>	: No known significant effects or critical hazards.
<b>Teratogenic effects</b>	: No known significant effects or critical hazards.
<b>Reproductive effects</b>	: No known significant effects or critical hazards.
<b>Sensitization to Product</b>	: No known significant effects or critical hazards.
<b>Synergistic products (toxicologically)</b>	: Not available.

### Toxicity data

Product/ingredient name	Test	Route	Result	Species
amines, tallow alkyl, ethoxylated	LD50	Dermal	>10000 mg/kg	Rat
	LD50	Oral	500 mg/kg	Rat
2-butoxyethanol	LD5	Dermal	2000 mg/kg	Rabbi
	0	Oral	1500 mg/kg	t Rat
	LD5	Inhalation	3.8 mg/l	Rat
propan-2-ol	0	Dermal	12870 mg/kg	Rabbi
	LC5	Oral	4710 mg/kg	t Rat
	0	Inhalation	30 mg/l	Rat
	LD5			

### Other adverse effects

<b>Target organs</b>	: Contains material which may cause damage to the following organs: blood, kidneys, liver, spleen, lymphatic system, upper respiratory tract, central nervous system (CNS).
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## 12. Ecological information

Ecotoxicity : Not reported

## 13. Disposal considerations

	Product AS SOLD
<b>Waste disposal</b>	: Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 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 B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).  
 Class D-2B: Material causing other toxic effects (Toxic).  
 Class E: Corrosive material

**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	*	3
Flammability		2
Physical hazards		0

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



**Product AT USE DILUTION**

Health		0
Flammability		0
Physical hazards		0



**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**

## **16. Other information**

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.**