



SAFETY DATA SHEET

ARMOR Wrap® MPI VCI Paper

1. IDENTIFICATION

Product identifier

Product Name ARMOR Wrap® MPI and MPI Wax VCI Paper

Other means of identification

SDS # APPAC-009-CA

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use For industrial use

Uses Advised Against No information available

Details of the supplier of the safety data sheet

Manufacturer Address

Armor Protective Packaging
862 Arvin Ave.
Stoney Creek, Ontario Canada L8E 5P2
Phone: 905-643-9839
Fax: 905-643-3688

Emergency telephone number

Initial supplier phone number Please enter Initial Suppliers Phone Number here
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Physical state Solid containing liquid

Classification

This chemical does not meet the hazardous criteria set forth by the 2015 WHMIS standards. However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Signal word

None



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Sodium benzoate	532-32-1	10-30	-	-
Glycerol	56-81-5	3-7	-	-
Paraffin Emulsion	8002-74-2	1-5	-	-
Benzotriazole	95-14-7	1-5	-	-

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	Rinse immediately with plenty of water and seek medical advice.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms See Section 11 for additional Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Not determined.
Specific hazards arising from the chemical	No information available.
Explosion Data	
Sensitivity to Mechanical Impact	None.



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Sensitivity to Static Discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical name	Canada - Alberta - Occupational Exposure Limits - Ceilings	Canada - British Columbia - Occupational Exposure Limits - Ceilings	Canada - Ontario - Occupational Exposure Limits - Ceilings	Quebec
Glycerol 56-81-5	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³		TWA: 10 mg/m ³
Paraffin Emulsion 8002-74-2	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³



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Appropriate engineering controls

Engineering controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes.

Skin and body protection Gloves are not required for normal use. Wear suitable protective clothing.

Respiratory protection Ensure adequate ventilation, especially in confined areas.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Solid containing liquid

Appearance Not determined

Color Not determined

Odor Not determined

Odor Threshold Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting point / freezing point	Not determined	
Boiling point / boiling range	Not determined	
Flash point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	Not determined	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive properties	Not determined.	
Oxidizing properties	Not determined.	

Other information

Softening Point Not determined



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Molecular weight	Not determined
VOC Content (%)	Not determined
Liquid Density	Not determined
Bulk density	Not determined

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to Avoid	Keep out of reach of children.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye contact	Avoid contact with eyes.
Skin contact	Avoid contact with skin.
Inhalation	Do not inhale.
Ingestion	Do not ingest.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	See Section 11 for additional Toxicological Information.
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Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	4,340.10
ATEmix (dermal)	9,288.60
ATEmix (inhalation-dust/mist)	11.02

Unknown acute toxicity	No information available
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Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium benzoate 532-32-1	= 4070 mg/kg (Rat)	-	-
Glycerol 56-81-5	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h
Paraffin Emulsion 8002-74-2	> 5000 mg/kg (Rat)	> 3600 mg/kg (Rabbit)	-
Sodium tolyltriazole 64665-57-2	= 1980 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Benzotriazole 95-14-7	= 560 mg/kg (Rat)	> 1 g/kg (Rat) > 10000 mg/kg (Rabbit)	= 1910 mg/m ³ (Rat) 3 h
Polyethylene wax 9002-88-4	> 2000 mg/kg (Rat) = 8 g/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium benzoate 532-32-1	-	100: 96 h Pimephales promelas mg/L LC50 static 420 - 558: 96 h Pimephales promelas mg/L LC50 flow-through	-	650: 48 h Daphnia magna mg/L EC50
Glycerol 56-81-5	-	51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	-	500: 24 h Daphnia magna mg/L EC50
Benzotriazole 95-14-7	15.4: 96 h freshwater algae mg/L EC50	39: 96 h Oncorhynchus mykiss mg/L LC50	-	141.6: 48 h water flea mg/L EC50

Persistence/Degradability

No information available.

Bioaccumulation

No information available.



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Mobility

Chemical name	Partition coefficient
Sodium benzoate 532-32-1	-2.13
Glycerol 56-81-5	-1.76

Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

REGULATORY INFORMATION

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable



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The Rotterdam Convention Not applicable

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium benzoate	X	X	X	X	X	X	X	X
Glycerol	X	X	X	X	X	X	X	X
Paraffin Emulsion	X	X	X	X	X	X	X	X
Benzotriazole	X	X	X	X	X	X	X	X

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
<u>HMS</u>	Health Hazards Not determined	Flammability Not determined	Physical hazards Not determined	Personal Protection Not determined

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average)
 STEL STEL (Short Term Exposure Limit)
 Ceiling Maximum limit value
 * Skin designation
Issue Date: 28-Sep-2017

Revision Date: 10-Oct-2018

Revision Note: New format.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet