

Safety Data Sheet
ARMOR Wrap® Global VCI Paper

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

SDS # APPAC-009-EU

Product Name ARMOR® Wrap Global Formula 30, 35 & 60, Wax, Poly Coated VCI Paper

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use For industrial use

1.3. Details of the Supplier of the Safety Data Sheet

Supplier

Armor Protective Packaging
1551 North Burkhart Rd
Howell, MI 48855

For further information, please contact

Contact Point Phone: 1-517-546-1117
Fax: 1-517-546-6434

Email Address wmeasel@armorvci.com

1.4. Emergency telephone number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label Elements

Product Identifier

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Signal Word

None



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EUH210 - Safety data sheet available on request

2.3. Other Hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. MIXTURES

| Chemical Name | EC No | CAS No | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH Registration Number |
|-------------------|---------|-----------|----------|---|---------------------------|
| Glycerol | Present | 56-81-5 | 1-10 | Not determined | Not determined |
| Chemical Name | EC No | CAS No | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH Registration Number |
| Paraffin Emulsion | Present | 8002-74-2 | <5 | Not determined | Not determined |

Full text of H- and EUH-phrases: see section 16

Additional Information

Substances without a classification are included, because they have established occupational exposure limits
This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. 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. |

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

| | |
|-----------------|-------------|
| Symptoms | None known. |
|-----------------|-------------|

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|



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Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

Not determined.

5.2. Special Hazards Arising from the Substance or Mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Use personal protective equipment as required.

For Emergency Responders

Use personal protection recommended in Section 8.

6.2. Environmental Precautions

See Section 12 for additional Ecological Information.

6.3. Methods and Material for Containment and Cleaning Up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Place in appropriate containers for disposal.

6.4. Reference to Other Sections

See Section 13: DISPOSAL CONSIDERATIONS.

Section 7: HANDLING AND STORAGE

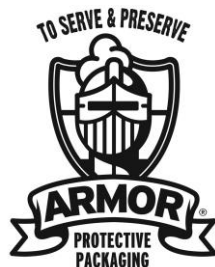
7.1. Precautions for Safe Handling

Advice on Safe Handling

Ensure adequate ventilation, especially in confined areas.

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General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place.

7.3. Specific End Use(s)

Specific Use(s)

For industrial use.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Limits

| Chemical Name | European Union | United Kingdom | France | Spain | Germany |
|--------------------------------|----------------|--|---------------------------|---|---|
| Glycerol 56-81-5 | - | STEL: 30 mg/m ³ TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 200 mg/m ³ |
| Paraffin Emulsion 8002-74-2 | - | STEL: 6 mg/m ³ TWA: 2 mg/m ³ | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ | - |
| Chemical Name | Italy | Portugal | Netherlands | Finland | Denmark |
| Glycerol 56-81-5 | - | TWA: 10 mg/m ³ | - | TWA: 20 mg/m ³ | - |
| Paraffin Emulsion 8002-74-2 | - | TWA: 2 mg/m ³ | - | TWA: 1 mg/m ³ | TWA: 2 mg/m ³ |
| Chemical Name | Austria | Switzerland | Poland | Norway | Ireland |
| Glycerol 56-81-5 | - | STEL: 100 mg/m ³ TWA: 50 mg/m ³ | TWA: 10 mg/m ³ | - | TWA: 10 mg/m ³ STEL: 30 mg/m ³ |
| Paraffin Emulsion 8002-74-2 | - | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ STEL: 4 mg/m ³ | TWA: 2 mg/m ³ STEL: 6 mg/m ³ |

8.2. Exposure Controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits.

Personal Protective Equipment

Eye/Face Protection

Avoid contact with eyes.

Hand Protection

Gloves are not required for normal use.

Skin and Body Protection

Suitable protective clothing.

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Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

| | | | |
|----------------|-------------------------|-----------------|----------------|
| Physical state | Solid containing liquid | Odour | Not determined |
| Appearance | Not determined | Odour Threshold | Not determined |
| Colour | 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 Limits in Air | | |
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapour Pressure | Not determined | |
| Vapour Density | Not determined | |
| Relative Density | Not determined | |
| Water Solubility | Not determined | |
| Solubility(ies) | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidising Properties | Not determined | |

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of Hazardous Reactions

Possibility of Hazardous Reactions

None under normal processing.

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10.4. Conditions to Avoid

Keep out of reach of children.

10.5. Incompatible Materials

None known based on information supplied.

10.6. Hazardous Decomposition Products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information

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

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

| | |
|-------------------------------|----------------|
| ATEmix (oral) | 4,437.00 mg/kg |
| ATEmix (dermal) | 9,289.00 mg/kg |
| ATEmix (inhalation-dust/mist) | 11.02 mg/L |

Unknown Acute Toxicity

- 81.8 % of the mixture consists of ingredient(s) of unknown toxicity.
- 48.66 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 67.44 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 81.8 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 81.8 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
- 79.08 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|----------------------|---------------------|---------------------------------------|------------------------------------|
| Sodium benzoate | = 4070 mg/kg (Rat) | | |
| Glycerol | = 12600 mg/kg (Rat) | > 10 g/kg (Rabbit) | > 570 mg/m ³ (Rat) 1 h |
| Paraffin Emulsion | > 5000 mg/kg (Rat) | > 3600 mg/kg (Rabbit) | |
| Sodium tolyltriazole | = 1980 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | |
| Benzotriazole | = 560 mg/kg (Rat) | > 10000 mg/kg (Rabbit) > 1 g/kg (Rat) | = 1910 mg/m ³ (Rat) 3 h |

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| | | |
|------------------|-----------------------------------|--|
| Polyethylene wax | > 2000 mg/kg (Rat) = 8 g/kg (Rat) | |
|------------------|-----------------------------------|--|

| | |
|-----------------------------------|-----------------|
| Skin corrosion/irritation | Not classified. |
| Serious eye damage/eye irritation | Not classified. |
| Sensitisation | Not classified. |
| Germ cell mutagenicity | Not classified. |
| Carcinogenicity | Not classified. |
| Reproductive toxicity | Not classified. |
| STOT - single exposure | Not classified. |
| STOT - repeated exposure | Not classified. |
| Aspiration hazard | Not classified. |

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|---------------|----------------------|---|--------------------------------------|
| Glycerol | | 51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static | 500: 24 h Daphnia magna mg/L EC50 |

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

| Chemical Name | Partition Coefficient |
|---------------|-----------------------|
| Glycerol | -1.76 |

12.4. Mobility in Soil

Mobility

Not determined.

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12.5. Results of PBT and vPvB Assessment

Not determined.

12.6. Other Adverse Effects

Not determined.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste from Residues / Unused Products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

IMDG

14.2 Proper Shipping Name Not regulated

RID

14.2 Proper Shipping Name Not regulated

ADR

14.2 Proper Shipping Name Not regulated

IATA

14.2 Proper Shipping Name Not regulated

Section 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

National Regulations

France

Occupational Illnesses (R-463-3, France)

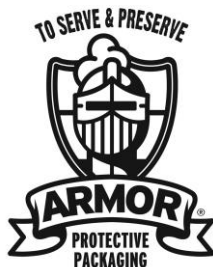
| Chemical Name | French RG number | Title |
|--------------------------------|------------------|-------|
| Paraffin Emulsion 8002-74-2 | RG 36 | |

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents

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at work.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories

| Component | TSCA | DSL/NDSL | EINECS/ELINCS | PICCS | ENCS | IECSC | AICS | KECL |
|-------------------------------------|------|----------|---------------|-------|---------|-------|------|---------|
| Glycerol 56-81-5 (1-10) | X | X | X | X | Present | X | X | Present |
| Paraffin Emulsion 8002-74-2 (<5) | X | X | X | X | Present | X | X | Present |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3

Not applicable

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend

TWA TWA (time-weighted average)
Ceiling Maximum limit value

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

STEL STEL (Short Term Exposure Limit)
* Skin designation

Classification Procedure

Calculation method

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Issue Date: 28-Sep-2017

Revision Date: 20-Nov-2017

Revision Note: New format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 453/2010

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

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