



Safety Data Sheet

ARMOR WRAP® Global VCI Paper

1. IDENTIFICATION

Product Identifier

Product Name ARMOR WRAP® 30, 35 & 60 Global, Wax, Scrim, Poly-Coated VCI Paper

Other means of identification

SDS # APPAC-004A

Recommended use of the chemical and restrictions on use

Recommended Use Corrosion Resistant Kraft – Multi-Metal Wrap

Details of the supplier of the safety data sheet**Supplier Address**

Armor Protective Packaging
1551 North Burkhart Rd
Howell, MI 48855

Emergency Telephone Number

Company Phone Number Phone: 1-517-546-1117
Fax: 1-248-573-0241

2. HAZARDS IDENTIFICATION

Appearance Kraft paper / Rolls or Sheets

Physical State Solid

Odor Ammoniacal

Classification

Acute toxicity – Inhalation (Dusts)

Category 4

Signal Word

Warning

Hazard Statements

Harmful if inhaled



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Precautionary Statements - Prevention

Avoid breathing dust

Wash hands and exposed skin thoroughly after handling

Precautionary Statements - Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Contact doctor/physician if you feel unwell.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|-----------------|-------------|----------|
| Cellulose Paper | 65996-61-4 | Balance |
| Proprietary | Proprietary | 10-15 |
| Proprietary | Proprietary | <5 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|---------------------|--|
| Eye Contact | Do not rub eyes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention. |
| Skin Contact | IF ON SKIN: Wash off immediately with plenty of water. If skin irritation persists, call a physician. |
| Inhalation | IF INHALED: breathing dust may irritate nose and throat. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Contact doctor/physician if you feel unwell. |
| Ingestion | IF SWALLOWED: Clean mouth with water and drink afterwards plenty of water. Call a physician. |

Most important symptoms and effects

| | |
|-----------------|--|
| Symptoms | Direct contact with skin may cause an allergic reaction in some individuals. Harmful if inhaled. |
|-----------------|--|

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Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO₂). Dry chemical. Alcohol resistant foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Carbon monoxide. Sodium oxides. Phosphorus oxides. Phosphines.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental Precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

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 Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Use in a well-ventilated area. Wash hands and any exposed skin after handling.

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Conditions for safe storage, including any incompatibilities

| | |
|-------------------------------|--|
| Storage Conditions | Store away from incompatible materials. Protect from extreme temperatures. |
| Incompatible Materials | Strong acids. Caustics. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------|-----------|--|------------|
| Proprietary | - | TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction (vacated) TWA: 10 mg/m ³ mist, total particulate (vacated) TWA: 5 mg/m ³ mist, respirable fraction | - |

Appropriate engineering controls

| | |
|-----------------------------|--|
| Engineering Controls | Eyewash stations, ensure adequate ventilation, especially in confined areas. |
|-----------------------------|--|

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------------|--|
| Eye/Face Protection | Not usually necessary under conditions of normal use. |
| Skin and Body Protection | Not usually necessary under conditions of normal use. Use gloves if skin becomes irritated. |
| Respiratory Protection | Not usually necessary under conditions of normal use. |
| General Hygiene Considerations | Handle in accordance with good industrial hygiene and safety practice. Wash hands and any exposed skin after handling. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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Information on basic physical and chemical properties

| | | | |
|-----------------------|-------------------------------|-----------------------|----------------|
| Physical State | Solid | Odor | Ammoniacal |
| Appearance | Kraft Paper / Rolls or Sheets | Odor Threshold | Not determined |
| Color | Tan / brown | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|------------------|-------------------------|
| pH of treatment | 6.5 -7.8 | |
| Melting Point/Freezing Point | Not applicable | |
| Boiling Point/Boiling Range | Not applicable | |
| Flash Point | Not determined | |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Not determined | |
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Not applicable | |
| Vapor Density | Not applicable | |
| Specific Gravity | Not determined | |
| Water Solubility | Soluble in water | |
| Solubility in other solvents | 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 | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

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Conditions to Avoid

See Sec. 7 Handling & Storage.

Incompatible Materials

Strong acids. Caustics.

Hazardous Decomposition Products

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Carbon monoxide. Sodium oxides. Phosphorous oxides. Phosphine.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|--------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Avoid contact with skin. |
| Inhalation | Avoid inhalation of dust |
| Ingestion | Harmful if swallowed |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------------|--|----------------------|--------------------------------------|
| Sodium benzoate 532-32-1 | = 2100 mg/kg (Rat) | - | - |
| Proprietary | = 12600 mg/kg (Rat) | > 10 g/kg (Rabbit) | > 570 mg/m ³ (Rat) 1 h |
| Proprietary | 500 - 965 mg/kg (Rat) = 560 mg/kg (Rat) | > 1 g/kg (Rat) | = 1910 mg/m ³ (Rat) 3 h |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

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

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Carcinogenicity

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

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|-----------------------------|---------------------------------------|--|----------------------------|-----------------------------------|
| Sodium benzoate 532-32-1 | | 420 - 558: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static | | 650: 48 h Daphnia magna mg/L EC50 |
| Proprietary | | 51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static | | 500: 24 h Daphnia magna mg/L EC50 |
| Proprietary | 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

Not determined.

Bioaccumulation

This material is not expected to bioaccumulate.

Mobility

| Chemical Name | Partition Coefficient |
|-----------------------------|-----------------------|
| Sodium benzoate 532-32-1 | -2.13 |
| Proprietary | -1.76 |

Other Adverse Effects

Not determined

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13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

- Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT** Not regulated
- IATA** Not regulated
- IMDG** Not regulated

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---------------|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Proprietary | Present | X | | Present | | Present | X | Present | X | X |
| Proprietary | Present | X | | Present | | Present | X | Present | 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

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KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

SARA 313

Not determined

US State Regulations

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
| Proprietary | X | X | X |
| Proprietary | | X | |

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16. OTHER INFORMATION

NFPA

Health Hazards

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards

Not determined

HMIS

Health Hazards

Not determined

Flammability

Not determined

Physical Hazards

Not determined

Personal Protection

Not determined

Issue Date:

06-Jan-2015

Revision Date:

14-Feb-2020

Revision Note:

Scrim added to description

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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