



MATERIAL SAFETY DATA SHEET

RAM High Temp Outerwrap

PRODUCT IDENTIFICATION

- MANUFACTURER'S NAME: Australasian Industrial Wrappings & Coatings P/L
- REGULAR TELEPHONE NUMBER: 02 9608 8111
- EMERGENCY TELEPHONE NUMBER: 0419 242 638
- FACSIMILE NUMBER: 02 8783 7055
- ADDRESS: 49 JEDDA RD, PRESTONS NSW 2170
- PRODUCT NAME: **RAM HT OUTERWRAP.**
- SYNONYMS:
- MANUFACTURER'S CODE: 400 - - -

HAZARDS IDENTIFICATION.

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA.

- Risk Phrases:**
- R20/22 Harmful by inhalation and if swallowed.
 - R33 Danger of cumulative effects.
 - R60 May impair fertility.
 - R61 May cause harm to un born child.

- Safety Phrases:**
- S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
 - S53 Avoid exposure – obtain special instructions before use.
 - S60 This material and its container must be disposed of as hazardous waste.
 - S61 Avoid release to the environment. Refer to special instructions / safety data sheet.

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF TEH ADG CODE.

- UN No:** None allocated. **DG. Class:** None allocated
- Packing Group:** None allocated **Hazchem Code:** None allocated
- Subsidiary Risks:** None allocated.

COMPOSITION / INFORMATION OR INGREDIENTS

| Ingredient | Formula | CAS No. | Content |
|------------------------------|---------------|---------------|---------|
| BIS (2-ETHYTHEXYL) PHTHALATE | C24-H38-O4 | 117-81-7 | 23-23% |
| LEAD COMPOUNDS | Pd | NOT AVAILABLE | <2% |
| TOLUENE | C7-H8 | 108-88-3 | <1% |
| CADMIUM COMPOUND | NOT AVAILABLE | NOT AVAILABLE | <0.001% |
| POLYVINYL CHLORIDE (PVC) | (C2-H3-C1) x | 9002-86-2 | 54-58% |
| RUBBER ADHESIVE | NOT AVAILABLE | NOT AVAILABLE | 10-14% |
| FILLER | NOT AVAILABLE | NOT AVAILABLE | 5-12% |
| PIGMENT | NOT AVAILABLE | NOT AVAILABLE | <5% |

FIRST AID MEASURES

- Eye:** Exposure is considered unlikely.
- Inhalation:** Due to product form / nature of use, an inhalation hazard is not anticipated.
- Skin:** If skin or hair contact occurs, remove contaminated clothing and flush skin/ hair with running water.
- Ingestion:** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.

Advice to doctor: Treat sympathetically.

FIRE FIGHTING MEASURES:

- Flammability:** Combustible. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Also incompatible with hydrogen chloride.
- Fire and Exposition:** Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those down wind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use water fog to cool intact containers and nearby storage areas.
- Extinguishing:** Dry agent, carbon dioxide, foam or water fog. Prevent contamination of drains or waterways.
- Hazchem:** None allocated.

ACCIDENTAL RELEASE MEASURES:

- Spillage:** If spilt, collect and reuse where possible.

STORAGE AND HANDLING:

Storage Store in a cool dry area. Ensure containers are tightly sealed, adequately labelled and protected from physical damage.

Handling: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking, smoking in contaminated areas.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Stds

| Ingredient | References | TWA | STEL |
|-------------------------------|------------|----------------|-----------|
| Cadmium and compounds (as CD) | ASCC (AUS) | --0.01MG/M3 | ---- |
| Di-sec-octyl phthalate | ASCC (AUS) | --5mg/m3 | 10mg/m3 |
| Toluene | ASCC (AUS) | 50ppm 191mg/m3 | 574 mg/m3 |

LEAD COMPOUNDS: ES-STEL: 0.45 mg/m3
ES-TWA:0.15mg/m3 (as lead)

Biological Limits

| Ingredient | Reference | Determinant | Sampling Time | BEI |
|------------|-----------|------------------------|-----------------------------|-------------------|
| Toluene | ACGIH BEI | o-Cresol in urine | End of shift | 0.5mg/L |
| | ACGIH BEI | Hippuric acid in urine | End of shift | 1.6g/g creatinine |
| | ACGHI BEI | Toluene in blood | Prior to last shift of work | 0.05mg/L |

Engineering Controls: Avoid inhalation. Use in well ventilated areas. Maintain dust levels below the recommended exposure standard.

PPE: Personal Protective Equipment is not required under normal conditions of use.

PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------|---------------|------------------------------|----------------|
| Appearance | TAPE | Solubility(water) | INSOLUBLE |
| Odour | SLIGHT ODOUR | Specific Gravity | NOT AVAILABLE |
| Ph | NOT AVAILABLE | % Violates | NOT AVAILABLE |
| Vapour Density | NOT AVAILABLE | Flammability | COMBUSTIBLE |
| Boiling Point | NOT AVAILABLE | Flash Point | 320°C to 390°C |
| Melting Point | NOT AVAILABLE | Upper Explosion Limit | COMBUSTIBLE |
| Evaporation Rate | NOT AVAILABLE | Lower Explosion Limit | NOT RELEVANT |

Autoignition Temperature NOT AVAILABLE

Decomposition Temperature: NOT AVAILABLE

Partition Coefficient NOT AVAILABLE

Viscosity NOT AVAILABLE

STABILITY AND REACTIVITY

Chemical Stability Stable under recommended conditions of storage.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources.

Material to avoid Compatible with most commonly used materials.

Hazardous decomposition products May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

Hazardous Reactions Hazardous polymerization is not expected to occur.

TOXICOLOGICAL INFORMATION

Health Hazard Summary Low to moderate toxicity. Under normal conditions of use, adverse health effects are not anticipated. Lead compounds (inorganic) are classified as probably carcinogenic to humans (IARC Group 2A). However, due to the low levels present, adverse health effects may be reduced. If heated, toxic fumes may be released. Bis (2-ethylhexyl) phthalate is not classifiable as to its carcinogenicity to humans (IARC Group 3).

Eye Due to product form and nature of use, the potential for exposure is reduced. Product may only present a hazard if heated and fumes released, resulting in irritation and lacrimation.

Inhalation Exposure considered unlikely. Product may present a hazard if heated and fumes evolved, which may result in mucous membrane irritation of the respiratory tract.

Skin Non – irritant.

Ingestion Ingestion is considered unlikely due to product form.

Toxicity Data

BIS (2-ETHYLHEXYL) PHTHALATE (117-81-7)

Carcinogenicity: Not classifiable as to its carcinogenicity (IARC Group 3)

LD50 (Ingestion): 1500 mg/kg (mouse)

LD50 (Intraperitoneal): 1400 mg/kg (mouse)

LD50 (Intravenous): 250 mg/kg (rat)

LD50 (Skin): 10000 mg/kg (guinea pig)

LDLo (Intratracheal): 30mg/kg (rat)

LDLo (Skin): 4000 mg/kg (rat, mouse)

TCLo (Inhalation): 940 mg/m³/6hours/4 weeks intermittently (rat)

TDLo (Ingestion): 143 mg/ kg (man)

TDLo (Interapertioneal): 9mg/kg/11 days intermittently (rat)

TDLo (Intravenous): 5mg/kg/8days (female mouse)

TDLo (Subcutaneous): 1972 mg/kg/3 days (mouse)

LEAD COMPOUNDS (Not available)

Health Surveillance: Required (NOHSC: 1012 (1994))

TOLUENE (108-88-3)

LC50 (Inhalation): 400ppm/24 hours (mouse)

Product

LCLo(Inhalation): 1600 ppm (guinea pig)

LD50 (Ingestion): 636 mg/kg (rat)

LD50 (Skin): 14100 UI/ kg (rabbit)

LDLo (Ingestion): 50mg/kg (human)

TCLo (Inhalation): 50ppm (man)

TDLo(Ingestion): 400 mg/kg (rat)

CADMIUM COMPOUNDS (Not Available)

LC50 (Inhalation): 25mg/m³/30M(Rat)

LCLo (Inhalation): 39mg/m³/20M (human)

LD50 (Ingestion): 890mg/kg (mouse)

POLYVINYL CHLORIDE (PVC) (9002-86-2)

TDLo (Ingestion): 210 g/kg/30 weeks (rat – tumors)

TDLo (Skin): 75 mg/kg (Implantation rat – tumors)

ECOLOGICAL INFORMATION

Environment

Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of to an approved landfill site. Contact the manufacturer for additional information.

Legislation

Dispose of in accordance with relevant local legislation.

TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY CRITERIA OF THE ADG CODE..

Shipping Name: None allocated

UN No. None allocated

Packaging Group: None allocated

DG Class: None allocated

Hazchem Code: None allocated

REGULATORY INFORMATION

Poison Schedule A poison schedule number has not been allocated to this product using the criteria in the standard for the Uniform Scheduling of Drugs and Poison (SUSDP)

AICS All chemicals listed in the Australian Inventory of Chemical Substances (AICS)

OTHER HANDLING AND STORAGE

REQUIREMENTS: Store in original packaging in a cool place away from boilers or heaters

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DATE: 16TH JANUARY 2014

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