

KBS CABLE COATING

Chemwatch Independent Material Safety Data Sheet
Issue Date: 1-Mar-2010
NC317ECP

CHEMWATCH 4506-57
Version No:5
CD 2010/1 Page 1 of 7

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

KBS CABLE COATING

PRODUCT USE

Fire resistant coating for bundled electrical cables.

SUPPLIER

Company: Antec Engineering

Address:

9 Chicago Avenue

Blacktown

NSW, 2148

AUS

Telephone: +61 2 9622 9622

Fax: +61 2 9622 9199

Section 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to NOHSC Criteria, and ADG Code.

POISONS SCHEDULE

None

RISK

•None under normal operating conditions.

SAFETY

Safety Codes

S23

S24

Safety Phrases

■ Do not breathe gas/ fumes/ vapour/ spray.

■ Avoid contact with skin.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
thermoplastic resins		
inorganic fillers, pigments, fibres		
flame retardant additives		
water	7732-18-5	

Section 4 - FIRST AID MEASURES

SWALLOWED

■ - If swallowed do NOT induce vomiting.

- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

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KBS CABLE COATING

Chemwatch Independent Material Safety Data Sheet

Issue Date: 1-Mar-2010

NC317ECP

CHEMWATCH 4506-57

Version No:5

CD 2010/1 Page 2 of 7

Section 4 - FIRST AID MEASURES

- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- Seek medical advice.

EYE

- If this product comes in contact with the eyes:
 - Wash out immediately with fresh running water.
 - Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
 - Seek medical attention without delay; if pain persists or recurs seek medical attention.
 - Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

SKIN

- If skin or hair contact occurs:
 - Flush skin and hair with running water (and soap if available).
 - Seek medical attention in event of irritation.

INHALED

- - If fumes or combustion products are inhaled remove from contaminated area.
 - Lay patient down. Keep warm and rested.
 - Prosthesis such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
 - Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
 - Transport to hospital, or doctor.

NOTES TO PHYSICIAN

- Treat symptomatically.
-

Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- - There is no restriction on the type of extinguisher which may be used.
 - Use extinguishing media suitable for surrounding area.

FIRE FIGHTING

- - Alert Fire Brigade and tell them location and nature of hazard.
 - Wear breathing apparatus plus protective gloves for fire only.
 - Prevent, by any means available, spillage from entering drains or water courses.
 - Use fire fighting procedures suitable for surrounding area.
 - DO NOT approach containers suspected to be hot.
 - Cool fire exposed containers with water spray from a protected location.
 - If safe to do so, remove containers from path of fire.
 - Equipment should be thoroughly decontaminated after use.

FIRE/EXPLOSION HAZARD

- - Non combustible.
 - Not considered to be a significant fire risk.
 - Expansion or decomposition on heating may lead to violent rupture of containers.
 - Decomposes on heating and may produce toxic fumes of carbon monoxide (CO).
 - May emit acrid smoke.

FIRE INCOMPATIBILITY

- None known.

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Chemwatch Independent Material Safety Data Sheet

Issue Date: 1-Mar-2010

NC317ECP

CHEMWATCH 4506-57

Version No:5

CD 2010/1 Page 3 of 7

Section 5 - FIRE FIGHTING MEASURES

HAZCHEM

None

PERSONAL PROTECTION

Glasses:

Not normally required.

Gloves:

When handling larger quantities:

Section 6 - ACCIDENTAL RELEASE MEASURES

MINOR SPILLS

■ Clean up all spills immediately.

Slippery when spilt.

Wipe up.

Place in clean drum then flush area with water.

MAJOR SPILLS

■ Slippery when spilt.

Minor hazard.

- Clear area of personnel.

- Alert Fire Brigade and tell them location and nature of hazard.

- Control personal contact by using protective equipment as required.

- Prevent spillage from entering drains or water ways.

- Contain spill with sand, earth or vermiculite.

- Collect recoverable product into labelled containers for recycling.

- Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal.

- Wash area and prevent runoff into drains or waterways.

- If contamination of drains or waterways occurs, advise emergency services.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING

■ - Limit all unnecessary personal contact.

- Wear protective clothing when risk of exposure occurs.

- Use in a well-ventilated area.

- When handling DO NOT eat, drink or smoke.

- Always wash hands with soap and water after handling.

- Avoid physical damage to containers.

- Use good occupational work practice.

- Observe manufacturer's storing and handling recommendations.

SUITABLE CONTAINER

■ - Polyethylene or polypropylene container.

- Packing as recommended by manufacturer.

- Check all containers are clearly labelled and free from leaks.

STORAGE INCOMPATIBILITY

■ None known.

STORAGE REQUIREMENTS

■ Store between 5 and 30 deg. C.

- Store in original containers.

- Keep containers securely sealed.

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KBS CABLE COATING

Chemwatch Independent Material Safety Data Sheet

Issue Date: 1-Mar-2010

NC317ECP

CHEMWATCH 4506-57

Version No:5

CD 2010/1 Page 4 of 7

Section 7 - HANDLING AND STORAGE

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- Store in a cool, dry, well ventilated area.
 - DO NOT allow to freeze.
 - Store away from incompatible materials.
 - Protect containers against physical damage and check regularly for leaks.
 - Observe manufacturer's storing and handling recommendations.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

The following materials had no OELs on our records

- water: CAS:7732- 18- 5

MATERIAL DATA

KBS CABLE COATING:

None assigned.

WATER:

- No exposure limits set by NOHSC or ACGIH.

PERSONAL PROTECTION

EYE

- No special equipment for minor exposure i.e. when handling small quantities.

OTHERWISE:

- Safety glasses with side shields.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59].

HANDS/FEET

- No special equipment needed when handling small quantities.

OTHERWISE: Wear general protective gloves, eg. light weight rubber gloves.

OTHER

- No special equipment needed when handling small quantities.

OTHERWISE:

- Overalls.
- Barrier cream.
- Eyewash unit.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information consult site specific CHEMWATCH data (if available), or your Occupational Health and Safety Advisor.

ENGINEERING CONTROLS

- None under normal operating conditions.

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Issue Date: 1-Mar-2010
NC317ECP

CHEMWATCH 4506-57
Version No:5
CD 2010/1 Page 5 of 7

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

White odourless high viscosity liquid; dispersible in water.

PHYSICAL PROPERTIES

Liquid.

Mixes with water.

State	Liquid	Molecular Weight	Not Applicable
Melting Range (°C)	0 approx.	Viscosity	approx. 35000 mPas cSt@ 20 deg.C
Boiling Range (°C)	Not Available	Solubility in water (g/L)	Miscible
Flash Point (°C)	Not Applicable	pH (1% solution)	Not Available
Decomposition Temp (°C)	>80	pH (as supplied)	7.8 approx.
Autoignition Temp (°C)	Not Applicable	Vapour Pressure (kPa)	2.34 @ 20 degC
Upper Explosive Limit (%)	Not Applicable	Specific Gravity (water=1)	1.43 approx.
Lower Explosive Limit (%)	Not Applicable	Relative Vapour Density (air=1)	Not Available
Volatile Component (%vol)	Not Available	Evaporation Rate	Not Available

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY

- Product is considered stable and hazardous polymerisation will not occur.
For incompatible materials - refer to Section 7 - Handling and Storage.
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Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

- The liquid is discomforting.
Considered to be non toxic.
Ingestion may result in nausea, abdominal irritation, pain and vomiting.

EYE

- The liquid may produce eye discomfort causing smarting, pain and redness.

SKIN

- The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

INHALED

- Not normally a hazard due to non-volatile nature of product.

CHRONIC HEALTH EFFECTS

- Prolonged or repeated skin contact may cause drying with cracking, irritation and possible dermatitis following.

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Issue Date: 1-Mar-2010
NC317ECP

CHEMWATCH 4506-57
Version No:5
CD 2010/1 Page 6 of 7

Section 11 - TOXICOLOGICAL INFORMATION

TOXICITY AND IRRITATION

- unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.
- Not available for mixture or identified for ingredient(s).

Section 12 - ECOLOGICAL INFORMATION

Refer to data for ingredients, which follows:

KBS CABLE COATING:

Inorganic material is not degradable.

Ecotoxicity

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
water	LOW		LOW	HIGH

Section 13 - DISPOSAL CONSIDERATIONS

- - Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Management Authority for disposal.
- Bury residue in an authorised landfill.
- Recycle containers if possible, or dispose of in an authorised landfill.

Section 14 - TRANSPORTATION INFORMATION

HAZCHEM:

- None (ADG7)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: ADG7, UN, IATA, IMDG

Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE

None

REGULATIONS

Regulations for ingredients

water (CAS: 7732-18-5) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)", "IMO IBC Code Chapter 18: List of products to which the Code does not apply", "OECD Representative List of High Production Volume (HPV) Chemicals"

No data for KBS Cable Coating (CW: 4506-57)

continued...

KBS CABLE COATING

Chemwatch Independent Material Safety Data Sheet
Issue Date: 1-Mar-2010
NC317ECP

CHEMWATCH 4506-57
Version No:5
CD 2010/1 Page 7 of 7

Section 16 - OTHER INFORMATION

EXPOSURE STANDARD FOR MIXTURES

■ "Worst Case" computer-aided prediction of spray/ mist or fume/ dust components and concentration:

■ Composite Exposure Standard for Mixture (TWA) :100 mg/m³.

■ Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:
www.chemwatch.net/references.

■ The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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This is the end of the MSDS.