

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION

**Product Name:** CREOSOTE (AMAZING HASTE)

**Recommended Use:** Surface coating or paint for timber, e.g. post and rail fences

**Supplier:** TMK Packers Ltd

**Address:** 2/20 Trugood Drive, East Tamaki.  
PO Box 258 031, Botany, Manukau 2163

**Telephone:** (+64) 9 273 3753

**Facsimile:** (+64) 9 273 3752

**Website:** [www.tmkpackers.co.nz](http://www.tmkpackers.co.nz)

**Emergency phone:** National Poison Centre  
0800 POISON [ 0800 764 766]



### 2. HAZARDS IDENTIFICATION

Product is classified as hazardous according to Schedules 1 to 6 of the *Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001* of the HSNO Act, 1996.

**HSNO Classifications:** 3.1D, 6.1D, 6.3A, 6.4A, 6.5B, 6.7A, 9.1C

**Signal word:** DANGER

#### Hazard Statements :

H227 Combustible liquid  
H302 Harmful if swallowed  
P312 Harmful in contact with skin  
H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H350 May cause cancer  
H412 Harmful to aquatic life with long-lasting effects

#### Prevention Statements :

P102 Keep out of reach of children.  
P103 Read label before use.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety instructions have been read and understood.  
P210 Keep away from heat, open flames, hot surfaces. No smoking.  
P261 Avoid breathing vapours  
P264 Wash hands and exposed skin thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P272 Contaminated work clothing should not be allowed out of the workplace  
P273 Avoid release to environment.  
P280 Wear protective gloves and eye protection.



P281 Use personal protective equipment as required

### 3. COMPOSITION : Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%)
Creosote	8001-58-9	100
May contain:		
Cresylic acid	95-48-7	5
Heavy aromatic hydrocarbon	64742-94-5	10 - 60
Heavy aliphatic hydrocarbon	64742-96-7	10 - 60

### 4. FIRST AID MEASURES

For advice, contact the National Poison Centre (0800 POISON ; 0800 764 766) or a doctor. Have product container or label available.

#### Swallowed

If swallowed, do NOT induce vomiting. Get immediate medical attention. If spontaneous vomiting occurs, hold patient's head below hips to avoid possible aspiration of vomitus into lungs.

#### Skin Contact

If skin or hair contact occurs, remove contaminated clothing and wash skin and hair with soap and water. If irritation persists or rash develops, get medical attention.

#### Eye Contact

Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do, after the first 5 minutes and continue rinsing. Get medical attention.

#### Inhalation

Move the victim to fresh air immediately. Keep warm and at rest until recovered. Get medical attention if recovery is not rapid.

**First Aid Facilities:** Provide eye bath and hand washing facilities.

**Advice to Doctor:** Treat according to symptoms. Risk of aspiration into lungs with potential to cause chemical pneumonitis.

### 5. FIRE FIGHTING MEASURES

**Flashpoint:** 72°C

**Flammable limits:** LFL : not known UFL: not known

#### Extinguishing media:

Foam, CO<sub>2</sub>, dry chemical, water spray. Do not use water jets on fire as this may spread/scatter fire. Heat may cause expansion or decomposition leading to violent rupture of containers. Use water spray on to cool containers.



### Fire & Explosion hazards:

Combustible liquid. Product will burn. Decomposition products may be toxic.

### Firefighting Equipment:

Full protective clothing and self-contained breathing apparatus (SCBA).

### In event of fire:

- Alert Fire Bridge (111); advise location and nature of hazard.
- Keep bystanders away.
- Wear breathing apparatus and protective gloves.
- Shut off product that may 'fuel' a fire if safe to do so.
- Eliminate sources of ignition
- If safe, switch off electrical equipment until vapour hazard removed.
- Use fine water spray to control fire and cool adjacent area.
- Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.
- Prevent product and extinguishing media from escaping to drains and waterways.

### Hazards from combustion products:

Product will emit toxic acrid fumes/smoke that includes phenolics, carbon monoxide and carbon dioxide.

**Hazchem Code:** not applicable

## 6. ACCIDENTAL RELEASE MEASURES

### Emergency Procedures & Containment:

Refer to "Fire Fighting Measures", "First Aid Measures" and "Stability and Reactivity".

### Minor spills

- Clean up spills immediately.
- Remove all ignition sources.
- Avoid breathing vapours and contact with skin and eyes.
- Wear personal protective equipment.
- Contain and absorb small quantities with vermiculite or other absorbent material.
- Collect residues and waste material in a labelled container.
- Seal container and dispose of safely.

### Major spills

- Clear area of personnel and move upwind.
- Alert Fire Bridge (111); advise location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Eliminate ignition sources, naked lights. No smoking.
- Stop leak if safe to do so.
- Water spray or water fog may be used to disperse or absorb vapour.



- Contain spill with sand, earth or vermiculite.
- Use spark-free shovels and explosion proof equipment.
- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Increase ventilation.
- Collect recoverable product into labeled contains for recycling.
- Absorb remaining product with sand, earth or vermiculite.
- Collect solid residues and seal in labelled drums for disposal.
- Wash area and prevent run off into drains.
- If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Read product label before use. Use in well-ventilated area. Avoid smoking, naked lights or ignition sources.. Avoid all personal contact including by inhalation. Wear personal protective equipment and clothing including gloves and wash hands with soap and water after handling. Avoid clothing wet with product to stay in contact with skin. Wash work clothes separately to household laundry.

### Conditions for safe storage:

Store in original packaging in a cool, dry well-ventilated place out of reach of children. Check containers periodically for leaks or distortion.

### Incompatible materials:

Oxidizing agents, i.e. nitrates, oxidizing acids, chlorine bleaches.

## 8. EXPOSURE CONTROLS : PERSONAL PROTECTION

### Health Exposure Standards:

A Workplace Exposure Standard (WES) has been set by the Occupational Safety and Health Service, NZ Department of Labour for components that may be present in this product.

	WES-TWA	WES-STEL
Cresols, all isomers <sub>SKIN</sub>	5 ppm (22 mg/m <sup>3</sup> )	-
Phenol	5 ppm (19 mg/m <sup>3</sup> )	-
Coal tar pitch volatiles, as benzene solubles <sub>CARCINOGEN</sub>	0.2 mg/m <sup>3</sup>	

**Biological limit values:** Total phenol in blood  
Index – 250 mg/g creatinine  
Sampling – end of shift

### Engineering Controls:

**Ventilation:** Avoid breathing vapours. Use product outdoors or in well-ventilated area. Wear a SAA approved respirator when using in confined area or where over-exposure risk exists.



**Personal Protective Equipment:**

**Respiratory Protection:** Not expected to be required when product is used outdoors. Where air concentration may exceed Workplace Exposure Standard, wear SAA approved respiratory protection.

**Eye Protection:** Protect eyes from splashes. Always use safety glasses with side shields, or wear goggles.

**Skin/ Body Protection:**

Wear gloves, e.g. PVC, and preferably elbow length. Wear safety footwear or safety gumboots, e.g. rubber. Wear cotton washable overalls buttoned to neck and at wrist.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Property	Unit of measurement	Typical value
Appearance	-	Slightly viscous, black-brown liquid
Odour	-	Solvent, tar
Flash Point	°C	72
Specific gravity @ 20°C	g/ml	0.9
Boiling Point	°C	183
Vapour Pressure @ 20°C	mm Hg	Not available
Vapour Density @ 20°C	kPa	Not available
Flammable Limits in Air	%	Not available
Viscosity	cSt	Not available
Volatiles	%vol/vol	Not available
Alkalinity/acidity (as pH)	-	Not applicable
Solubility in Water	% w/w	Immiscible

The values listed are indicative of this product's physical and chemical properties.

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable at room temperature and pressure.

**Conditions to avoid:** Sources of heat, ignition, open flames and contact with oxidizing agents.

**Hazardous decomposition products:** No decomposition products except on burning. See "Fire Fighting Measures" and "Hazardous Reactions".

**Hazardous reactions:** With oxidizing agents, e.g. nitrates, oxidizing acids, chlorine bleaches.

**11. TOXICOLOGICAL INFORMATION**

**Acute Effects**

**Ingestion**

Swallowing small amounts or from vomiting may cause aspiration into lungs and cause chemical



pneumonitis or pulmonary odema. If swallowed is harmful and may result in discomfort to gastrointestinal tract. Symptoms of exposure may include and is not restricted to nausea, vomiting, abdominal pain, salivation, dizziness, breathing difficulties, thread pulse, low blood pressure.

### **Eye Contact**

This product is irritating to the eyes resulting in pain, tearing, redness and possibly conjunctivitis. Corneal injury may result with possible permanent impairment of vision. Vapour is also discomforting to eyes and this is worsened at higher temperatures.

### **Skin Contact**

This product is irritating to the skin causing swelling, redness and possible swelling. Skin may become warm and itchy. Risk of contact dermatitis. Sensitisation effects are worsened under sunlight. Skin may become discoloured. Prolonged or repeated exposure may defat skin leading to drying and cracking.

### **Inhalation**

Vapours may cause discomfort to the upper respiratory tract. Symptoms of over-exposure may be difficulty in breathing, headache and dizziness.

**Chronic Effects:** Main exposure routes are accidental skin and eye contact and by inhalation of vapours especially at warmer temperatures.

**Other Health Effects Information:** This product contains coal tar pitch volatiles that identified as causing cancer. Photosensitivity may result in severe sunburn on subsequent exposure to ultraviolet light.

**Toxicological Information:** Not available

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity:**

**Aquatic toxicity:** This product has been classified as being harmful to aquatic life with long-lasting effects. Do not discharge product to sewer, drains or waterways.

**Persistence/degradability:** Can be expected to be persistent and bioaccumulative.

**Mobility:** Product is not miscible with water and will sink in water.

**Other information:** Not available.

### **Environmental Exposure Standards:**

EEL (WATER):	Not set
EEL (SOIL)	Not set
EEL (SEDIMENTS)	Not set

## **13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods:**



Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national, regional and local authority regulations. Packaging may still contain product residues and vapours that are harmful .

## 14. TRANSPORT INFORMATION

UN Number: Not regulated

Shipping name:

Class:

Packing group:

Hazchem code:

### Dangerous Goods Segregation

This product is not classified as Dangerous Good Class 3.

Please consult NZS 5433:2007 Transport of Dangerous Goods on Land for information.

## 15. REGULATORY INFORMATION

Country/ Region: New Zealand

Inventory: NZCIL

Status: Listed

### **ERMA New Zealand Approval Code:**

HSR002680; Surface Coating and Colourant (Combustible, Toxic [6.7]) Group Standard 2006.

Refer [www.ermanz.govt.nz](http://www.ermanz.govt.nz) for information on Controls.

## 16. OTHER INFORMATION

Date of Issue: 24 June 2010

Reasons for Issue: New Safety Data Sheet

Replaces: -

### **Abbreviations:**

CAS No Chemical Abstracts Number  
ERMA Environmental Risk Management Authority  
HSNO Hazardous Substances and New Organisms  
NZCI New Zealand Chemical Inventory  
STEL Short Term Exposure Limit  
TWA Time Weighted Average  
WES Workplace Exposure Standard

### **References:**

Supplier Material Safety Data Sheets

ERMA website: [www.ermanz.govt.nz](http://www.ermanz.govt.nz)

Hazardous Substances Database; [www.toxnet.nlm.nih.gov](http://www.toxnet.nlm.nih.gov)



The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact TMK Packers Ltd.

END OF SAFETY DATA SHEET

