

## MATERIAL SAFETY DATA SHEET

### 1. Product and company identification

<b>Product name</b>	<b>Maflowrap Moulding Compound 1190</b>		
<b>Manufacturer/Supplier</b>	Chase Protective Coatings Ltd		
<b>Address</b>	Harbour Road Rye, East Sussex, TN31 7TE United Kingdom		
<b>Telephone</b>	General Assistance	+44 (0)1797 223561	
<b>E-mail</b>	info@chaseprotectivecoatings.com		
<b>Contact person</b>	Not available.		
<b>Emergency phone number</b>	Not available.		
<b>Recommended use and Limitations on use</b>			
<b>Recommended use</b>	Not available.		

### 2. Hazards identification

<b>Hazard classification</b>			
<b>Physical hazards</b>	Not classified.		
<b>Health hazards</b>	Carcinogenicity	Category 1A	
<b>Environmental hazards</b>	Not classified.		

#### Label elements

##### Symbols



<b>Signal word</b>	Danger		
<b>Hazard statement</b>	May cause cancer.		
<b>Precautionary statement</b>			
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.		
<b>Response</b>	IF exposed or concerned: Get medical advice/attention.		
<b>Storage</b>	Store locked up.		
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.		
<b>Other hazards</b>	None known.		

### 3. Composition/information on ingredients

**Substance or mixture** Mixture

Chemical name	CAS Number	Concentration (%)
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0	1 - < 3
Other components below reportable levels		90 - 100

### 4. First aid measures

#### First aid measures for different exposure routes

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.

<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms and effects</b>	Coughing. Irritation of eyes and mucous membranes. Upper respiratory tract irritation. Skin irritation.
<b>Personal protection for first-aid responders</b>	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
<b>Notes to physician</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## 5. Fire-fighting measures

<b>Extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Extinguishing media to avoid</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards during fire fighting</b>	During fire, gases hazardous to health may be formed.
<b>Special fire fighting procedures</b>	Use water spray to cool unopened containers.
<b>Protection of fire-fighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## 6. Accidental release measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.
<b>Spill cleanup methods</b>	Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS.

## 7. Handling and storage

<b>Handling</b>	
<b>Technical measures</b>	No specific recommendations.
<b>Local and general ventilation</b>	Provide adequate ventilation.
<b>Precautions</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
<b>Safe handling advice</b>	Avoid prolonged exposure. Should be handled in closed systems, if possible. Observe good industrial hygiene practices. Use personal protection recommended in Section 8 of the MSDS.
<b>Storage</b>	
<b>Technical measures</b>	No specific recommendations.
<b>Suitable storage conditions</b>	Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the MSDS).
<b>Incompatible materials</b>	Acids. Fluorine. For further information, please refer to section 10 of the MSDS.
<b>Safe packaging materials</b>	Keep in original container.

## 8. Exposure controls/personal protection

### Exposure limits

#### Taiwan. OELs. (Standards on Workplace Atmosphere of Dangerous and Hazardous Materials)

Components	Type	Value	Form
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	TWA	5 mg/m <sup>3</sup>	Mist.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Engineering measures** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal protective equipment

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection** Wear appropriate chemical resistant gloves.

**Eye protection** If contact is likely, safety glasses with side shields are recommended.

**Skin and body protection** Use of an impervious apron is recommended.

**Hygiene measures** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

**Physical state** Solid.

**Form** Solid. Putty

**Color** Beige.

**Odor** Mild.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Boiling point, initial boiling point, and boiling range** Not available.

**Flash point** Not available.

**Auto-ignition temperature** Not available.

**Flammability (solid, gas)** Not available.

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Evaporation rate** Not available.

**Relative density** Not available.

**Density** 1.99 g/cm<sup>3</sup> estimated

### Solubility(ies)

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Decomposition temperature** Not available.

### Other data

**Specific gravity** 1.99 estimated

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Stability** Material is stable under normal conditions.

**Conditions to avoid** Contact with incompatible materials.

**Incompatible materials** Acids. Fluorine.

**Hazardous decomposition products** No hazardous decomposition products are known.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

## 11. Toxicological information

Product	Species	Test Results
Maflowrap Moulding Compound 1190 (CAS Mixture)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Mouse	8164.5571 mg/kg estimated
	Rat	8164.5571 mg/kg estimated
<b>Routes of exposure</b>	Inhalation.	
<b>Symptoms</b>	Coughing. Upper respiratory tract irritation. Irritation of eyes and mucous membranes. Skin irritation.	

<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Skin sensitizer</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	May cause cancer.
<b>ACGIH Carcinogens</b>	
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	A2 Suspected human carcinogen.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	1 Carcinogenic to humans.
<b>Toxic to reproduction</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

## 12. Ecological information

### Ecotoxicological data

Product	Species	Test Results
Maflowrap Moulding Compound 1190 (CAS Mixture)		
<b>Aquatic</b>		
Fish	LC50 Fish	70886.0781 mg/l, 96 hours estimated
<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.	
<b>Persistence and degradability</b>	No data is available on the degradability of this product.	
<b>Bioaccumulation</b>	Not available.	
<b>Mobility in soil</b>	No data available for this product.	
<b>Other hazardous effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

## 13. Disposal considerations

<b>Residual waste</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
<b>Local disposal regulations</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

## 14. Transport information

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

**Applicable regulations** This material safety data sheet was prepared in accordance with the Rules on Hazardous Communication of Dangerous Materials and Toxic Materials.

### Regulation of Labeling and Hazard Communication of Dangerous and Toxic Substances: Dangerous Materials Classification

Not listed.

### Regulation of Labeling and Hazard Communication of Dangerous and Toxic Substances: Toxic Materials Classification

Not listed.

## Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste

Not listed.

## Standards on Workplace Atmosphere of Dangerous and Hazardous Materials

DISTILLATES (PETROLEUM) SOLVENT-DEWAXED Listed.

HEAVY PARAFFINIC (CAS 64742-65-0)

## 16. Other information

### References

ACGIH  
EPA: AQUIRE database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
Taiwan. Dangerous Materials (Rules on Hazard Communication of Dangerous Materials and Toxic Materials)  
Taiwan. Industrial Precursor Chemicals (Categories and Regulations Governing Inspection and Declaration of Industrial Precursor Chemicals, MOEA Decree No. 87, as amended)  
Taiwan. OELs. (Standards on Workplace Atmosphere of Dangerous and Hazardous Materials)  
Taiwan. Toxic Chemical Substances (TCS) (List of Toxic Chemical Substances announced by the Environmental Protection Administration)  
Taiwan. Toxic Materials (Rules on Hazard Communication of Dangerous Materials and Toxic Materials)

### Issued by

#### Company name

Dan Libby

### Prepared by

Not available.

### Disclaimer

The information offered in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. This 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 other process. This material is intended for industrial use only. No warranty, expressed or implied is made.

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