SAFETY DATA SHEET

Number 8 Mould Release Wax

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Number 8 Mould Release Wax

Company
Easy Composites Ltd
Unit 39
Park Hall Business Village
Longton, Stoke-on-Trent
ST3 5XA
United Kingdom

Email sales@easycomposites.co.uk

Telephone +44 (0)1782 454499

Intended Use Release Agent for composite moulding applications

2. HAZARDS IDENTIFICATION

Risk

R43 - May cause SENSITISATION by skin contact.
R53 - Harmful to aquatic organisms, may cause long- term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Safety

S23A Do not breathe vapour.
S24 Avoid contact with skin.
S37 Wear suitable gloves.
S62 If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S2 Keep out of the reach of children.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS No	EINECS	% by Wt.	Classification
naphtha petroleum, heavy alkylate	64742-48-9	265-150-3	10 - 30	Xn:R65 - Nota 4,P (EU) R53; R66; R67 (Self Classified) Asp. Tox. 1, H304 - Nota P (CLP) STOT SE 3, H336; EUH066; Aquatic Chronic 4, H413 (Self Classified)
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8	10 - 30	Xn:R65 - Nota 4 (EU) R10; R66; R67 (Self Classified) Asp. Tox. 1, H304 (CLP) FlamLiq 3, H226; STOT SE 3 H336; EUH066 (Self Classified)
Conditioners	Trade Secret		< 20	
Paraffin waxes and Hydrocarbon waxes, oxidized, lithium salts	68649-48-9	272-032-5	7 - 13	

Pin-2(3)-ene	80-56-8	201-291-9	5 - 10	Xn:R65; Xi:R38; R43; R10 (Self Classified) Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317 (Self Classified)
Paraffin Wax	8002-74-2	232-315-6	5 - 10	

4. FIRST AID MEASURES

Swallowed Rinse mouth. If you feel unwell, get medical attention.

Eye Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

Skin Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Inhaled Remove person to fresh air. If you feel unwell, get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media In case of fire: Use a fire fighting agent suitable for flammable liquids and solids such as dry chemical or carbon dioxide.

Special hazards Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition Carbon monoxide, Carbon dioxide and Irritant vapours or gases.

Advice for fire-fighters Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning: A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

Environmental precautions Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

Methods and material for containment and cleaning up Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible.

7. HANDLING AND STORAGE

Precautions for safe handling Do not use in a confined area or areas with little or no air movement. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Vapours may travel long distances along the ground or floor to an ignition source and flash back.

Conditions for safe storage including any incompatibilities	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Protect from sunlight. Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidising agents.
Specific end use(s)	See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits	**Ingredient**	**CAS Nbr**	**Limit type**
	Naphtha (petroleum), hydrotreated heavy	64742-48-9	TWA:100 ppm
	Paraffin Wax	8002-74-2	TWA(as fume):2 mg/m3 STEL(as fume):6 mg/m3

TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
mg/m³: milligrams per cubic metre

Engineering controls	Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.
Respiratory Protection:	In case of inadequate ventilation wear respiratory protection. An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure: Full facepiece air-purifying respirator suitable for organic vapours. For questions about suitability for a specific application, consult with your respirator manufacturer.
Skin Protection:	Wear protective gloves. Gloves made from the following material(s) are recommended: Polyvinyl alcohol (PVA). Polymer laminate
Eyes/Face Protective Equipment	Wear eye/face protection. The following eye protection(s) are recommended: Indirect vented goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Gold paste
Physical State	Liquid.
Specific Physical Form	Paste
Odour	Pleasant odour
Flash point	65.6 °C
Relative density	0.86 [*Ref Std:*WATER=1]
Water solubility	Nil
Viscosity	>=0.1 Pa-s
Density	0.86 g/cm3
Volatile organic compounds (VOC)	65.34 % weight
VOC less H2O & exempt solvents	561.89 g/l

10. STABILITY AND REACTIVITY

Reactivity	This material may be reactive with certain agents under certain conditions - see the remaining headings in this section
Chemical stability	Stable.
Possibility of hazardous reactions	Hazardous polymerisation will not occur.
Conditions to avoid	Heat. Sparks and/or flames.
Incompatible materials	Strong acids. Strong bases. Strong oxidising agents.

Hazardous decomposition products	None known

11. TOXICOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

Eye contact	Contact with the eyes during product use is not expected to result in significant irritation.
Skin contact	Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
Inhalation	Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause target organ effects after inhalation.
Ingestion	Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause target organ effects after ingestion.
Target Organ Effects	Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, in-coordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness. Prolonged or repeated exposure by ingestion may cause: Respiratory effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish coloured skin (cyanosis), sputum production, changes in lung function tests, and respiratory failure. Kidney/Bladder effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No test data available; calculated ATE >5,000 mg/kg
Naphtha (petroleum), hydrotreated	Dermal	Rabbit	LD50 > 3,000 mg/kg
Naphtha (petroleum), hydrotreated	Inhalation-Vapor (4 hours)	Rat	LC50 estimated to be 20 - 50 mg/l
Naphtha (petroleum), hydrotreated	Ingestion	Rat	LD50 > 5,000 mg/kg
Distillates (petroleum), hydrotreated	Dermal	Rabbit	LD50 > 3,160 mg/kg
Distillates (petroleum), hydrotreated	Inhalation-Dust/Mist	Rat	LC50 > 3.0 mg/l
Distillates (petroleum), hydrotreated	Ingestion	Rat	LD50 > 5,000 mg/kg
Conditioners	Ingestion		LD50 estimated to be > 5,000 mg/kg
Pin-2(3)-ene			No data available
Paraffin waxes and Hydrocarbon waxes, oxidized, lithium salts			No data available
Pin-2(10)-ene			No data available
Paraffin Wax	Dermal	Rabbit	LD50 > 5,000 mg/kg
Paraffin Wax	Ingestion	Rat	LD50 > 5,000 mg/kg
Siloxanes and silicones, di-Me	Dermal	Rabbit	LD50 > 19,400 mg/kg
Siloxanes and silicones, di-Me	Ingestion	Rat	LD50 > 17,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Naphtha (petroleum), hydrotreated heavy		Mild irritant
Distillates (petroleum), hydrotreated light		Mild irritant
Conditioners		No data available
Pin-2(3)-ene		No data available
Paraffin waxes and Hydrocarbon waxes, oxidized, lithium salts		No data available
Pin-2(10)-ene		No data available
Paraffin Wax		No data available
Siloxanes and silicones, di-Me	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Naphtha (petroleum), hydrotreated heavy		Mild irritant
Distillates (petroleum), hydrotreated light		Mild irritant
Conditioners		No data available
Pin-2(3)-ene		No data available
Paraffin waxes and Hydrocarbon waxes, oxidized, lithium salts		No data available
Pin-2(10)-ene		No data available
Paraffin Wax		No data available
Siloxanes and silicones, di-Me	Rabbit	No significant irritation

Skin Sensitisation

Name	Species	Value
Naphtha (petroleum), hydrotreated heavy		Not sensitizing
Distillates (petroleum), hydrotreated light		Not sensitizing
Conditioners		No data available
Pin-2(3)-ene		No data available
Paraffin waxes and Hydrocarbon waxes, oxidized, lithium salts		No data available
Pin-2(10)-ene		No data available
Paraffin Wax		No data available
Siloxanes and silicones, di-Me		No data available

Respiratory Sensitisation

Name	Species	Value
Naphtha (petroleum), hydrotreated heavy		No data available
Distillates (petroleum), hydrotreated light		No data available
Conditioners		No data available
Pin-2(3)-ene		No data available
Paraffin waxes and Hydrocarbon waxes, oxidized,		No data available
Pin-2(10)-ene		No data available
Paraffin Wax		No data available
Siloxanes and silicones, di-Me		No data available

Germ Cell Mutagenicity

Name	Route	Value
Naphtha (petroleum), hydrotreated heavy	Inhalation	Not mutagenic
Naphtha (petroleum), hydrotreated heavy	In Vitro	Some positive data exist, but the data are not
Distillates (petroleum), hydrotreated light	In Vitro	Not mutagenic
Conditioners		No data available
Pin-2(3)-ene		No data available
Paraffin waxes and Hydrocarbon waxes, oxidized, lithium salts		No data available
Pin-2(10)-ene		No data available
Paraffin Wax		No data available
Siloxanes and silicones, di-Me		No data available

Carcinogenicity

Name	Route	Species	Value
Naphtha (petroleum), hydrotreated heavy	Dermal		Some positive data exist, but the data are not sufficient for classification
Naphtha (petroleum), hydrotreated heavy	Inhalation		Some positive data exist, but the data are not sufficient for classification
Distillates (petroleum), hydrotreated light	Dermal		Some positive data exist, but the data are not sufficient for classification
Conditioners			No data available
Pin-2(3)-ene			No data available
Paraffin waxes and Hydrocarbon waxes, oxidized, lithium salts			No data available
Pin-2(10)-ene			No data available
Paraffin Wax			No data available
Siloxanes and silicones, di-Me			No data available

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Naphtha (petroleum), hydrotreated heavy	Inhalation	Not toxic to reproduction and/or		NOAEL 2.356 mg/l	
Distillates (petroleum), hydrotreated light	Inhalation	Not toxic to reproduction and/or		NOAEL 364 ppm	
Conditioners		No data available			
Pin-2(3)-ene		No data available			
Paraffin waxes and Hydrocarbon waxes, oxidized, lithium salts		No data available			
Pin-2(10)-ene		No data available			
Paraffin Wax		No data available			
Siloxanes and silicones, di-Me		No data available			

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Naphtha (petroleum), hydrotreated heavy	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Naphtha (petroleum), hydrotreated heavy	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Naphtha (petroleum), hydrotreated heavy	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for		NOEL 6.5 mg/l	
Naphtha (petroleum), hydrotreated heavy	Inhalation	Respiratory system	Some positive data exist, but the data are not sufficient for classification		NOEL 2.4 mg/l	

Naphtha (petroleum), hydrotreated heavy	Inhalation	heart	All data are negative		NOAEL 2.5 mg/l
Naphtha (petroleum), hydrotreated heavy	Inhalation	liver | kidney and/or bladder	All data are negative		NOAEL 0.610 mg/l
Naphtha (petroleum), hydrotreated heavy	Inhalation	muscles	All data are negative		NOAEL 0.61 mg/l
Distillates (petroleum), hydrotreated light	Inhalation	central nervous system depressio n	May cause drowsiness or dizziness		NOAEL N/A
Distillates (petroleum), hydrotreated light	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive
Conditioners			No data available		
Pin-2(3)-ene			No data available		
Paraffin waxes and Hydrocarbon waxes, oxidized, lithium salts			No data available		
Pin-2(10)-ene			No data available		
Paraffin Wax			No data available		
Siloxanes and silicones, di-Me			No data available		

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Naphtha (petroleum), hydrotreated heavy	Dermal	nervous system	Some positive data exist, but the data are not sufficient for		LOEL 691 mg/kg	
Naphtha (petroleum), hydrotreated heavy	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification		LOEL 4.580 mg/l	
Naphtha (petroleum), hydrotreated heavy	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		NOEL 0.619 mg/l	
Naphtha (petroleum), hydrotreated heavy	Inhalation	endocrine system | muscles	Some positive data exist, but the data are not sufficient for classification		LOEL 0.616 mg/l	
Naphtha (petroleum), hydrotreated heavy	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 0.57 mg/l	

Naphtha (petroleum), hydrotreated heavy	Inhalation	bone, teeth, nails, and/or hair	All data are negative	NOAEL 5.62 mg/l
Naphtha (petroleum), hydrotreated heavy	Inhalation	heart	All data are negative	NOAEL 1.271 mg/l
Naphtha (petroleum), hydrotreated heavy	Inhalation	immune system	All data are negative	NOAEL 0.616 mg/l
Distillates (petroleum), hydrotreated light	Dermal	bone, teeth, nails, and/or hair	Some positive data exist, but the data are not sufficient for classificatio n	NOEL N/A
Distillates (petroleum), hydrotreated light	Dermal	liver	Some positive data exist, but the data are not sufficient for classificatio	NOEL 1,000 mg/kg/day
Distillates (petroleum), hydrotreated light	Inhalation	hematopoietic system	All data are negative	NOAEL 0.1 mg/l
Distillates (petroleum), hydrotreated light	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	NOEL 100 mg/kg/day
Distillates (petroleum), hydrotreated light	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for	LOAEL 100 mg/kg
Conditioners			No data available	
Pin-2(3)-ene			No data available	
Paraffin waxes and Hydrocarbon waxes, oxidized, lithium salts			No data available	
Pin-2(10)-ene			No data available	
Paraffin Wax			No data available	

Aspiration Hazard

Name	Value
Naphtha (petroleum), hydrotreated heavy	Aspiration hazard
Distillates (petroleum), hydrotreated light	Aspiration hazard
Conditioners	Not an aspiration hazard
Pin-2(3)-ene	Not an aspiration hazard
Paraffin waxes and Hydrocarbon waxes, oxidized, lithium salts	Not an aspiration hazard
Pin-2(10)-ene	Not an aspiration hazard
Paraffin Wax	Not an aspiration hazard
Siloxanes and silicones, di-Me	Not an aspiration hazard

Please contact the address or phone number listed on the first page of the MSDS for additional toxicological information on this material and/or its components.

12. ECOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

Acute aquatic hazard	Not acutely toxic to aquatic life by GHS criteria.
Chronic aquatic hazard	Not chronically toxic to aquatic life by GHS criteria.
Persistence and degradability	No test data available.
Bioaccumulative potential	No test data available.
Mobility in soil	No test data available.
Results of the PBT and vPvB assessment	No information available at this time
Other adverse effects	No information available.

13. DISPOSAL CONSIDERATIONS

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Incinerate in a permitted waste incineration facility. Dispose of waste product in a permitted industrial waste facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities. The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of the manufacturer, no waste code(s) for products after use will be provided.

Please refer to the European Waste Code (EWC - 2000/532/CE and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor

EU waste code (product as sold)
08 01 11* Waste paint and varnish containing organic solvents or other dangerous substances

14. TRANSPORT INFORMATION

Classification for transport Not regulated for transport.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Global inventory status
The components of this product are in compliance with the chemical notification requirements of TSCA.

Chemical Safety Assessment
Not applicable

16. OTHER INFORMATION

List of relevant H statements

EUH066 Repeated exposure may cause skin dryness or cracking.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H413 May cause long lasting harmful effects to aquatic life.

List of relevant R-phrases

R10 Flammable.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: May cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Further information The information supplied in this Safety 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.