

1. IDENTIFICATION OF THE SUBSTRATE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name/designation: Hydrotech Monomelt 6125.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Main use category: Industrial / for professional use only.
Uses advised against: No additional information available.

1.3 Manufacturer/Supplier

Supplier:
Alumasc Building Products Ltd
White House Works, Bold Road, Sutton, St Helens, Merseyside, United Kingdom, WA9 4JG
Tel: +44 (0)1744 648400
e-mail: technical@alumascroofing.com

1.4 Manufacturer/Supplier

Emergency telephone: 01744 648 400 - (Mon-Thurs – 08.30-17.00 Fri – 08.30-16.00)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EU) No. 1272/2008 [CLP]:

Not classified.

Adverse physicochemical, human health and environmental effects:

No additional information available.

2.2 Label elements

Labelling according to Regulation (EU) No. 1272/2008 [CLP]:

Not applicable.

2.3 Other hazards

Other hazards which do not result in classification:

The product is solid at room temperature and becomes liquid when treated for the application. If heated at high temperatures, it can release organic vapours and/or hydrogen sulphide.

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

3.1 Substances

Hot melt rubberised bitumen membrane.

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Asphalt	(CAS No) 8052-42-4 (EC no) 232-490-9	40 - 70	Flam. Liq. 2, H225
Distillates, petroleum, hydrotreated heavy naphthenic	(CAS No) 64742-52-5 (EC no) 265-155-0 (EC index no) 649-465-00-7	15 - 40	Asp. Tox. 1, H304

Styrene-butadiene copolymer	(CAS No) 9003-55-8 (EC no) 618-370-2	7 – 13	Not classified
Carbon black	(CAS No) 1333-86-4 (EC no) 215-609-9 (REACH-no) not available	< 7	Carc. 2, H351
Quartz	(CAS No) 14808-60-7 (EC no) 238-878-4 (REACH-no) Not available	< 1	Carc. 1A, H350 STOT RE 2, H373
Mica	(CAS No) 12001-26-2 (EC no) 601-648-2	< 1	Not classified
Titanium dioxide	(CAS No) 13463-67-7 (EC no) 236-675-5	< 1	Not classified
Silicon dioxide	(CAS No) 7631-86-9 (EC no) 231-545-4	< 1	Not classified
Zinc oxide, dust	(CAS No) 1314-13-2 (EC no) 215-222-5 (EC index no) 030-013-00-7 (REACH-no) Not available	< 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sulphur	(CAS No) 7704-34-9 (EC no) 231-722-6 (EC index no) 016-094-00-1 (REACH-no) 01-21 19487295-27	< 1	Skin Irrit. 2, H315

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation:	Move the affected person away from the contaminated area and into the fresh air. Seek medical attention if ill effect or irritation develops.
Skin contact:	In case of contact with hot or molten product, cool rapidly with water and seek immediate medical attention. Do not attempt to remove molten product from skin because skin will tear easily. Cuts or abrasions should be treated promptly with thorough cleansing of the affected area.
Eye contact:	In case of contact with hot material: Rinse immediately with plenty of water. Seek medical attention immediately.
Ingestion:	Seek medical attention immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTRE or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	At elevated temperatures or in enclosed spaces, product mist or vapours may irritate the mucous membranes of the nose, the throat, bronchi, and lungs. Dizziness, headaches, nausea, unconsciousness. May release poisonous hydrogen sulphide gas.
Skin contact:	The hot liquid may cause severe skin burns. Prolonged or repeated contact with the skin may cause dermatitis.
Eye contact:	Hot material can cause burns. Vapour irritates eyes.
Ingestion:	Severe irritation or burns to the mouth, throat, oesophagus, and stomach.

4.3 Indication of any immediate medical attention and special treatments needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media:

Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire:

Carbon oxides. Nitrogen oxides. Sulphur oxides. Toxic fumes may be released.

5.3 Advice for firefighters

Firefighting instructions:

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. May release poisonous hydrogen sulphide gas.

Protective equipment for firefighters:

Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Evacuate unnecessary personnel.

Protective equipment:

Equip clean-up crew with proper protection.

Emergency procedures:

Ventilate area.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Dispose of this material and its container to hazardous or special waste collection point.

6.4 Reference to other sections

Refer to Sections 8 & 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. The inherent toxic and olfactory (sense of smell) fatiguing properties of hydrogen sulphide require that air monitoring alarms be used if concentrations are expected to reach harmful levels such as in enclosed spaces, heated transport vessels and spill or leak situations. If the air concentration exceeds 50 ppm, the area should be evacuated unless respiratory protection is in use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:

Keep only in the original container in a cool, well ventilated place away from: Incompatible materials. Keep container closed when not in use.

Incompatible materials:

Strong bases. Pure oxygen. Chlorine. Strong acids. Strong oxidizers.

7.3 Specific end use(s)

Refer to Section 1.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Asphalt (8052-42-4)		
UK (EH40)	8-hour TWA	5 mg/m ³ (petroleum fumes, inhalable fraction)
UK (EH40)	15-minute reference period	10 mg/m ³ (petroleum fumes, inhalable fraction)
UK (EH40)	Biological Monitoring Guidance Value for polycyclic aromatic hydrocarbons (PAHs)	4 µmol 1-hydroxypyrene/mol creatinine in urine
Quartz (14808-60-7)		
UK (EH40)	8-hour TWA	0.1 mg/m ³ (respirable fraction)
Mica (12001-26-2)		
UK (EH40)	8-hour TWA	10 mg/m ³ (inhalable fraction)
UK (EH40)	15-minute reference period	0.8 mg/m ³ (respirable fraction)
Titanium dioxide (13463-67-7)		
UK (EH40)	8-hour TWA	10 mg/m ³ (inhalable fraction)
UK (EH40)	15-minute reference period	4 mg/m ³ (respirable fraction)
Silicon dioxide (7631-86-9)		
UK (EH40)	8-hour TWA (amorphous silica)	6 mg/m ³ (inhalable fraction)
UK (EH40)	15-minute reference period	2.4 mg/m ³ (respirable fraction)
Carbon black- (1333-86-4)		
UK (EH40)	8-hour TWA	3.5 mg/m ³ (inhalable fraction)
UK (EH40)	15-minute reference period	7 mg/m ³ (respirable fraction)
Zinc oxide, dust (1314-13-2)		
UK (EH40)	8-hour TWA	No limit specified
UK (EH40)	15-minute reference period	No limit specified
USA - ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³
USA - ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³
USA - ACGIH	ACGIH Ceiling (mg/m ³)	10 mg/m ³ respirable fraction
USA - ACGIH	Remark (ACGIH)	Metal fume fever
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	15 mg/m ³
USA - NIOSH	NIOSH REL (STEL) (mg/m ³)	10 mg/m ³
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ (respirable)

8.2 Exposure controls

Appropriate engineering controls:	Ensure adequate ventilation, especially in confined areas. When the product is used outdoors, stay well away from building air intakes or close and seal the intake to prevent product from entering building.
Personal protective equipment:	Avoid all unnecessary exposure. For certain operations, additional Personal Protection Equipment (PPE) may be required. Personal protective equipment should be selected based upon the conditions under which this product is handled or used. Protective goggles. Protective clothing. Gloves.
	
Hand protection:	Impervious gloves e.g. PVC, nitrile rubber, butyl rubber. Chemical resistant PVC gloves (to European standard EN 374 or equivalent).
Eye protection:	In case of splash hazard: chemical goggles or safety glasses. Wear approved safety goggles. Chemical goggles should be consistent with EN166 or equivalent.
Respiratory protection:	Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In fine dispersion/spraying/misting: In case of insufficient ventilation, wear suitable respiratory equipment. [Full face mask (EN 136), Half face mask (EN 140), Filter type AP (EN 141)].
Thermal hazard protection:	Eliminate all sources of ignition, avoid sparks, flames and do not smoke in risk area. When handling molten material, thermally-protective long sleeved clothing, boots and gloves should be worn. Face shield and eye protection.
Other information:	Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid at 205 °C (application temperature). Semi-solid at 25 °C.
Colour:	Black.
Odour:	Characteristic.
Odour threshold:	No data available.
pH:	No data available.
Relative evaporation rate (butyl acetate=1):	No data available.
Melting point:	No data available.
Freezing point:	No data available.
Boiling point:	No data available.
Flash point:	240°C.
Auto-ignition temperature:	400°C.
Decomposition temperature:	No data available.
Flammability (solid, gas):	Non flammable.
Vapour pressure:	No data available.
Relative vapour density at 20°C:	No data available.
Relative density:	No data available.
Density:	1.15 kg/l.
Solubility:	Water: 50 ppm.
Log pow:	No data available.
Viscosity, kinematic:	No data available.
Viscosity, dynamic:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Explosive limits:	No data available.

9.2 Other information

VOC content:
0% g/l.

10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is stable at normal handling and storage conditions.

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

None known under normal conditions of use.

10.4 Conditions to avoid

Excessive heat.

10.5 Incompatible materials

Strong bases. Strong acids. Pure oxygen. Chlorine. Strong oxidizers.

10.6 Hazardous decomposition products

Carbon oxides, nitrogen oxides and sulphur oxides. Toxic fumes may be released.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Not classified.

Asphalt (8052-42-4)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Titanium dioxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg
Silicon dioxide (7631-86-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 2.2 mg/l (Exposure time: 1 h)
Carbon black- (1333-86-4)	
LD50 oral rat	> 15400 mg/kg
Zinc oxide, dust (1314-13-2)	
LD50 oral rat	> 5000 mg/kg

Skin corrosion/irritation:

Not classified.

Serious eye damage/irritation:

Not classified.

Respiratory or skin sensitisation:

Not classified.

Germ cell mutagenicity:

Not classified.

Carcinogenicity:

Not classified.

Reproductive toxicity:

Not classified.

Specific target organ toxicity (single exposure):

Not classified.

Specific target organ toxicity (repeated exposure):

Not classified.

Aspiration hazard:

Not classified.

Potential adverse human health effects and symptoms:

May be harmful if inhaled.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

May be toxic to aquatic life.

Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)	
LC50 fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Silicon dioxide (7631-86-9)	
LC50 fish 1	5000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	7600 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)
ErC50 (algae)	440 mg/l Pseudokirchneriella subcapitata
Carbon Black (1333-86-4)	
ErC50 (algae)	> 10000 mg/l 72 hours OECD 201
LC50 Daphnia 1	

12.2 Persistence and degradability

Rubberized Asphalt 6125®	
Persistence and degradability	Not established.

12.3 Bioaccumulative potential

Rubberized Asphalt 6125®	
Bioaccumulative potential	Not established.
Asphalt (8052-42-4)	
BCF fish 1	(no bioaccumulation expected)
Log Pow	> 6
Silicon dioxide (7631-86-9)	
BCF fish 1	(no bioaccumulation expected)

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Other adverse effects

Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal recommendations:

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with applicable local, national and international regulation.

Ecology - waste materials:

Avoid release to the environment.

14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / AND:

14.1 UN number

UN-No. (ADR):	Not regulated.
UN-No. (IMDG):	Not regulated.
UN-No. (IATA):	Not regulated.
UN-No. (ADN):	Not regulated.
UN-No. (RID):	Not regulated.

14.2 UN proper shipping name

Proper Shipping Name (ADR):	Not regulated.
Proper Shipping Name (IMDG):	Not regulated.
Proper Shipping Name (IATA):	Not regulated.
Proper Shipping Name (ADN):	Not regulated.
Proper Shipping Name (RID):	Not regulated.

14.3 Transport hazard class(es)

Transport hazard class(es) (ADR):	Not regulated.
Transport hazard class(es) (IMDG):	Not regulated.
Transport hazard class(es) (IATA):	Not regulated.
Transport hazard class(es) (ADN):	Not regulated.
Transport hazard class(es) (RID):	Not regulated.

14.4 Packing group

Packing group (ADR):	Not regulated.
Packing group (IMDG):	Not regulated.
Packing group (IATA):	Not regulated.
Packing group (ADN):	Not regulated.
Packing group (RID):	Not regulated.

14.5 Environmental hazards

Dangerous for the environment:	No.
Marine pollutant:	No.
Other information:	No supplementary information available.

14.6 Special precautions for user

Overland transport:	Not regulated.
Transport by sea:	Not regulated.
Air transport:	Not regulated.
Inland waterway transport:	Not regulated.
Rail transport:	Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

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

EU-Regulations:

Contains no REACH substances with Annex XVII restrictions.
Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.

VOC content:

0% g/l.

National regulations:

No additional information available.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

Abbreviations and acronyms:

ATE:	Acute Toxicity Estimate.
CLP:	Classification, Labelling and Packaging Regulation according to 1272/2008/EC.
DMEL:	Derived Minimal Effect Level.
DNEL:	Derived No Effect Level.
IATA:	International Air Transport Association.
IMDG:	International Maritime Dangerous Goods Code.
LEL:	Lower Explosive Limit/Lower Explosion Limit.
UEL:	Upper Explosion Limit/Upper Explosive Limit.
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals.
RRN:	REACH Registration Number.
EC50:	Median Effective Concentration.
LC50:	Median Lethal Concentration.
LD50:	Median Lethal Dose.
TLV:	Threshold Limits
TWA:	Time Weighted Average.
STEL:	Short Term Exposure Limit.
NA:	Not Applicable.
PBT:	Persistent, Bio Accumulating and Toxic.
vPvB:	Very Persistent and Very Bioaccumulative.

Full text of H- and EUH- statements:

Aquatic Acute 1:	Hazardous to the aquatic environment - Acute Hazard, Category 1.
Aquatic Chronic 1:	Hazardous to the aquatic environment - Chronic Hazard, Category 1.
Carc. 1A:	Carcinogenicity, Category 1A.
Carc. 1B:	Carcinogenicity, Category 1B.
Carc. 2:	Carcinogenicity, Category 2.
Flam. Liq. 2:	Flammable liquids Category 2.
Skin Irrit. 2:	Skin corrosion/irritation Category 2.
STOT RE 2:	Specific target organ toxicity (repeated exposure) Category 2.
H225:	Highly flammable liquid and vapour.
H315:	Causes skin irritation.
H350:	May cause cancer.
H351:	Suspected of causing cancer.
H373:	May cause damage to organs through prolonged or repeated exposure.
H400:	Very toxic to aquatic life.
H410:	Very toxic to aquatic life with long lasting effects.

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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