Product	9012 A
Revision date	27 Febuary 2020
Revision	2

Safety Data Sheet (SDS)

Section 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Product name	**9012 A**
Synonyms, Trade names	No information available.

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

Identified uses	For industrial and professional use only. Vacuum casting.
Uses advised against	Any other purpose.

1.3 Details of the supplier of the safety data sheet

Supplier	Scott AM Ltd 4 Holding Beechcliffe Lane Tittensor, Stoke-on-Trent ST12 9HP United Kingdom Tel: +44 (0) 1782 367625 (during UK office hours 09:00 to 17:00 UTC).
Contact person	info@scott-am.com

1.4 Emergency telephone number

Emergency telephone	999 / 911 or local emergency number.

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)	
Physical and chemical hazards	Not classified
Human health	Not classified
Environment	Not classified

2.2 Label elements

Label in accordance with (EC) no. 1272/2008	No pictogram required
Signal word	No Signal Word
Hazard statements	No hazard statements required
Precautionary statements	No precautionary statements required

2.3 Other hazards

This product is not classified as hazardous. The information in this datasheet is given for guidance only.

Section 3: Composition/identification of ingredients

3.1 Substance

Name	Product identifier	Reg. EU 1272/2008	%

The full text for all hazard statements are displayed in section 16.

Composition comments There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. The data shown are in accordance with the latest EC Directives.

3.2 Mixtures

Not applicable.

Section 4: First aid measures

4.1 Description of first aid measures

General information Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

Inhalation If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. If breathing is difficult, give oxygen. Seek medical attention. Keep person warm and at rest.

Ingestion If this product is ingested, remove victim immediately from source of exposure. Rinse mouth out and then drink plenty of water. Do not induce vomiting. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person.

Skin contact Remove contaminated clothing and shoes and wash before reuse. Wash skin thoroughly with soap and water. If skin irritation occurs, get medical attention.

Eye contact Do not rub eye. Avoid contaminating unaffected eye. Remove contact lenses if present and easy to do so. Flush eye(s) with plenty of clean running water for at least fifteen (15) minutes. Lift the upper and lower eyelids occasionally while rinsing. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Due to low vapor pressure at room temperature, product not likely to be inhaled.

Ingestion Product has low to very low oral toxicity. Swallowing a small amount of this product is not likely to cause injury.

Skin contact Skin contact with the product is not likely to result in significant irritation.

Eye contact May cause temporary eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician Treat symptomatically and supportively.

Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media Foam, dry powder, carbon dioxide (CO2), water spray. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products During fire, toxic gases (CO, CO2) are formed.

Unusual fire & explosion hazards No unusual fire or explosion hazards noted.

Specific hazards If heated, harmful vapours may be formed. Floors may become slippery, avoid falls.

5.3 Advice for firefighters

Special fire fighting procedures If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Keep up-wind to avoid fumes. Containers close to fire should be removed immediately or cooled with water if safe to do so.

Protective equipment for firefighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Do not touch or walk through spilled material. Evacuate and ventilate area. Eliminate all sources of ignition. Wear protective clothing as described in Section 8 of this safety data sheet.
Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Keep unnecessary and unprotected personnel from entering.

For emergency responders Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions Do not discharge onto the ground or into water courses.

6.3 Methods and material for containment and cleaning up

Spill clean up methods Stop leak if possible without risk. DO NOT touch spilled material! Wear necessary protective equipment. Ventilate and evacuate the area. Eliminate all sources of ignition. Wear respirator if ventilation is not adequate.
Absorb spillage with non-combustible, absorbent material - sand. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container Wash work area with water.

6.4 Reference to other sections

Reference to other sections See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Avoid contact with skin and eyes. Avoid inhalation of vapours. Provide good ventilation.
Wear personal protective equipment. Do not mix with other chemicals. Use dry nitrogen or low dew point air for tank padding. Prevent contact with water or with moist atmosphere, as product is hygroscopic.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks, direct sunlight and open flames. Keep away from incompatible materials (see section 10). Store in tightly closed original container in a dry, cool and well-ventilated place. Keep at temperatures of between: 15 - 30 °C.

Storage class Chemical storage.

7.3 Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

Usage description Use only according to directions.

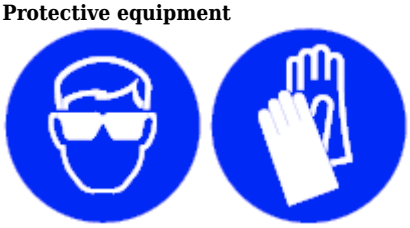
Section 8: Exposure controls/Personal protection

8.1 Control parameters

Ingredient comments No exposure limits noted for ingredient(s).

8.2 Exposure Controls

Protective equipment



Engineering measures	Provide adequate ventilation, including appropriate local extraction.
Respiratory equipment	Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143, and suitable respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Consult manufacturer for specific advice. Use respirators and components tested and approved under appropriate government standards such as CEN (EU). Use respiratory protection as specified by an industrial hygienist or other qualified professional if concentrations exceed the limits listed in Section 8.
Hand protection	Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. Gloves must be inspected prior to use. Suggested material: Neoprene/nitrile. Layer thickness: 0.2 mm. Consult manufacturer for specific advice. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Change gloves regularly. Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace.
Eye protection	Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).
Other protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist. The selected clothing must satisfy the European norm standard EN 943.
Hygiene measures	Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work. Handle in accordance with good industrial hygiene and safety practice. Keep container tightly closed. Wash promptly if skin becomes wet or contaminated.
Process conditions	Ensure that eye flushing systems are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Clear.
Odour	Mild.
Odour threshold - lower	No information available.
Odour threshold - upper	No information available.
pH-Value, Conc. Solution	No information available.
pH-Value, Diluted solution	No information available.
Melting point	21.00 °C
Initial boiling point and boiling range	No information available.
Flash point	199.00 °C
Evaporation rate	No information available.
Flammability state	No information available.
Flammability limit - lower(%)	No information available.
Flammability limit - upper(%)	No information available.

Vapour pressure	No information available.
Vapour density (air=1)	No information available.
Relative density	1.09g/cm^3 @ 20.00 °C
Bulk density	No information available.
Solubility	No information available.
Decomposition temperature	No information available.
Partition coefficient; n-Octanol/Water	No information available.
Auto ignition temperature (°C)	No information available.
Viscosity	No information available.
Explosive properties	Not classified as explosive.
Oxidising properties	No information available.

9.2 Other information

Molecular weight	No information available.
Volatile organic compound	No information available.
Other information	None noted.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	Stable product under recommended storage and handling conditions.

10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Hazardous reactions	Avoid contact with acidic, basic or oxidizing materials.
Hazardous polymerisation	May polymerise. The reaction of polyols and isocyanates generates heat.
Polymerisation description	Unknown.

10.4 Conditions to Avoid

Conditions to avoid	Heat, sparks, open flames, temperature extremes and direct sunlight. Avoid contact with water and moisture.

10.5 Incompatible materials

Materials to avoid	Store separately from acids, alkalies, and oxidising agents. Peroxides. Hypochlorite salts. Monomeric isocyanates.

10.6 Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other harmful gases or vapors.

Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information	No toxicological information for the overall finished product.

Acute toxicity (Oral LD50)	No information available.
Acute toxicity (Dermal LD50)	No information available.
Acute toxicity (Inhalation LD50)	No information available.
Serious eye damage/irritation	May cause temporary eye irritation.
Skin corrosion/irritation	No information available.
Respiratory sensitisation	No information available.
Skin sensitisation	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	No information available.
Inhalation	Due to low vapor pressure at room temperature, product not likely to be inhaled.
Ingestion	Product has low to very low oral toxicity. Swallowing a small amount of this product is not likely to cause injury.
Skin contact	Skin contact with the product is not likely to result in significant irritation.
Eye contact	May cause temporary eye irritation.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	No information available.
Target organs	No target organs specified.
Aspiration hazards:	No information available.
Reproductive toxicity:	No information available.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	No information available.
Acute toxicity - Aquatic invertebrates	No information available.
Acute toxicity - Aquatic plants	No information available.
Acute toxicity - Microorganisms	No information available.
Chronic toxicity - Fish	No information available.
Chronic toxicity - Aquatic invertebrates	No information available.
Chronic toxicity - Aquatic plants	No information available.
Chronic toxicity - Microorganisms	No information available.
Ecotoxicity	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.
Eco toxilogical information	No ecological toxicity available on the overall finished product.

12.2 Persistence and degradability

Degradability	No information available.
Biological oxygen demand	No information available.
Chemical oxygen demand	No information available.

12.3 Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Bioaccumulation factor	No information available.
Partition coefficient; n-Octanol/Water	No information available.

12.4 Mobility in soil

Mobility No information available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Product is not identified as PBT or vPvB.

12.6 Other adverse effects

Other adverse effects No information available.

Section 13: Disposal considerations

Waste management When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1 Waste treatment methods

Disposal methods Dispose of waste and residues in accordance with local authority requirements, and in accordance with all local, national and international regulations. For waste disposal, use a licensed industrial waste disposal agent.

Section 14: Transport information

14.1 UN number

UN no. (ADR) Not applicable.
UN no. (IMDG) Not applicable.
UN no. (IATA) Not applicable.

14.2 UN proper shipping name

ADR proper shipping name Not applicable.
IMDG proper shipping name Not applicable.
IATA proper shipping name Not applicable.

14.3 Transport hazard class(es)

ADR class Not applicable.
IMDG class Not applicable.
IATA class Not applicable.

Transport labels Not applicable

14.4 Packing group

ADR/RID/ADN packing group Not applicable.
IMDG packing group Not applicable.
IATA packing group Not applicable.

14.5 Environmental hazards

ADR No
IMDG No
IATA No

14.6 Special precautions for user

EMS Not applicable.
Emergency action code Not applicable.
Hazard no. (ADR) Not applicable.
Tunnel restriction code Not applicable.

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code

Not applicable.

Section 15: Regulatory information

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

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.
Approved code of practice	Workplace Exposure Limits Guidance Note EH40/2005.
Chemical safety assessment	No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	[3]Section 3: Formulation information updated. This is a second issue. [11]Section 11: LD50 information updated.
Revision date	27 February 2020
Supersedes date	
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

Disclaimer

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.