SAFETY DATA SHEET
Prefere 5689

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Prefere 5689

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

Identified uses Hardener. Wood adhesive.

1.3. Details of the supplier of the safety data sheet

Supplier

TS Resins
Alyn Works,
Denbigh Road,
Mold,
CH7 1BF
01352 757 657
01352 758 914
tech@synthite.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 1352 750 416

Hours of operation Monday 06:00 to Friday 22:00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements

Pictogram

Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Precautionary statements P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Prefere 5689

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Kaolin (China Clay) **60-100%**

CAS number: 1332-58-7

Classification
Not Classified

ammonium chloride **10-30%**

CAS number: 12125-02-9 EC number: 235-186-4 REACH registration number: 01-2119487950-27-XXXX

Classification
Acute Tox. 4 - H302
Eye Irrit. 2 - H319

Classification (67/548/EEC or 1999/45/EC)
Xn; R22. Xi; R36

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Move affected person to fresh air at once. Place unconscious person on their side in the recovery position and ensure breathing can take place. If breathing stops, provide artificial respiration. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Inhalation Move affected person to fresh air at once. Get medical attention if symptoms are severe or persist. Development of symptoms may be delayed for 24 to 48 hours.

Ingestion Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Give plenty of water to drink. Get medical attention if symptoms are severe or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists after washing.

Protection of first aiders No action shall be taken without appropriate training or involving any personal risk.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation Good general ventilation should be adequate to control worker exposure to airborne contaminants. Dust is severely irritating to the upper respiratory system. In case of possible exposure to degradation products, use suitable respiratory protection. Symptoms following overexposure may include the following: May cause respiratory irritation. Coughing.

Ingestion No known chronic or acute health risks. Symptoms following overexposure may include the following: No specific symptoms known.

Skin contact No known chronic or acute health risks. Symptoms following overexposure may include the following: No specific symptoms known.

Eye contact A single exposure may cause the following adverse effects: Irritating to eyes. Symptoms following overexposure may include the following: Irritation. Redness.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Development of symptoms may be delayed for 24 to 48 hours.

Specific treatments No special treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Alcohol-resistant foam. Water spray, fog or mist.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Dust may form explosive mixture with air. Take precautionary measures against static discharge.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO2). Carbon monoxide (CO). Oxides of nitrogen.

5.3. Advice for firefighters

Protective actions during firefighting Evacuate area. No action shall be taken without appropriate training or involving any personal risk. Move containers from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel No action shall be taken without appropriate training or involving any personal risk. Evacuate area. Keep unnecessary and unprotected personnel away from the spillage. Do not touch or walk into spilled material. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Avoid breathing dust. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

For emergency responders Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Small Spillages: Move containers from spillage area. Eliminate all sources of ignition. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Large Spillages: Avoid generation and spreading of dust. Move containers from spillage area. Control run-off water by containing and keeping it out of sewers and watercourses. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Eliminate all sources of ignition. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

Prefere 5689

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid breathing dust. Avoid dust close to ignition sources. Avoid the accumulation of dust. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Use explosion-proof electrical, ventilating and lighting equipment. Take precautionary measures against static discharges. Avoid contact with flammable/combustible materials.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. For personal protection, see Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store away from other materials. Eliminate all sources of ignition. Store away from the following materials: Oxidising materials. Keep container tightly sealed when not in use. Store in a dry place. Use appropriate containment to avoid environmental contamination. Store away from incompatible materials (see Section 10). Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Kaolin (China Clay)

Long-term exposure limit (8-hour TWA): WEL 2 mg/m³ respirable dust

ammonium chloride

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ fume
Short-term exposure limit (15-minute): WEL 20 mg/m³ fume

WEL = Workplace Exposure Limit

8.2. Exposure controls

Appropriate engineering controls Provide adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Use explosion-proof general and local exhaust ventilation.

Eye/face protection Wear tight-fitting, dust-resistant, chemical splash goggles if airborne dust is generated.

Hand protection To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Other skin and body protection Wear suitable protective clothing as protection against splashing or contamination. Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hygiene measures Wash hands at the end of each work shift and before eating, smoking and using the toilet. Care should be taken to avoid contact with contaminants when removing contaminated clothing. Take off contaminated clothing and wash it before reuse. Eye wash facilities and emergency shower must be available when handling this product.

Respiratory protection	Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Particulate filters should comply with European Standard EN143.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Solid. Powder.
Colour	Off-white.
Odour	None
Solubility(ies)	Soluble in water.
Explosive properties	Dust may form explosive mixture with air.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid generation and spreading of dust. Avoid dust close to ignition sources. Avoid the accumulation of dust. Static electricity and formation of sparks must be prevented.

10.5. Incompatible materials

Materials to avoid Avoid contact with the following materials: Oxidising materials.

10.6. Hazardous decomposition products

Hazardous decomposition products Under normal conditions of storage and use, no hazardous reactions will occur. No known hazardous decomposition products.

Prefere 5689

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 13,823.52941176

Toxicological information on ingredients.

ammonium chloride

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	1,410.0
Species	Rat
ATE oral (mg/kg)	500

SECTION 12: Ecological Information

12.1. Toxicity

Acute toxicity - fish LC_{80}, 96 hours: 0.16 mg/l, Fish
LC_{80}, 96 hours: 209 mg/l, Fish

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The identified uses for this product are detailed in Section 1.2.

Disposal methods The generation of waste should be minimised or avoided wherever possible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

Waste class Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Prefere 5689

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date	11/04/2015
Revision	02
SDS number	4529
Hazard statements in full	H302 Harmful if swallowed. H319 Causes serious eye irritation.

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.