



ALPHA PLASTIC CHEMICALS LIMITED

- Specialists in Plastic and Chemical Additives -

Material Safety Data Sheet (MSDS) Acrylzan 800

1. Identification of Substance/Preparation and of the Company/Undertaking

Use of Substance/Preparation: A polymer blend containing acrylic ester, methacrylic ester, chlorinated polyethylene, Calcium distearate and Talc ($Mg_3H_2(SiO_3)_4$)

Trade Name: ACRYLZAN 800

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2. Hazards

The product under certain conditions capable of dust explosion, in use it may form explosive vapour/air mixture.

Labelling according to Directive 1999/45/EC

No labelling information about symbol, risk and safety phrases available. This product does not meet the criteria for classification in any hazard class according to Directive 1999/45/EC

3. Composition

3.1: Substance information

Substance Name	CAS No.
Acrylic ester	97-63-2
Methacrylic ester	80-62-6
Chlorinated Polyethylene	64754-90-1
Calcium Distearate	1592-23-0
Talc ($Mg_3H_2(SiO_3)_4$)	14807-96-6

4. First Aid Measures

General Advice: In all case of doubt, or symptoms persists, seek medical advice/attention.

Following inhalation: Remove from exposure and into fresh air immediately, if breathing difficulties persists consult medical advice.

Following ingestion: Seek immediate medical attention, do not induce vomiting.

Medical Notes: If Hydrogen Chloride is liberated due to thermal degradation, treat as Hydrogen Chloride exposure. No specified antidote.

5. Fire Fighting Measures

Suitable extinguishing media: Water spray, Foam, Carbon dioxide and dry Chemical.

Unsuitable extinguishing media: Water jet.

PPE: Wear self-contained breathing apparatus.

Flash Point: > 200°C

Explosion Hazard: do not allow dust to accumulate, when suspended in air dust can cause explosion hazard.

6. Accidental Release Measures

6.1 Personal Precaution,

Spillages may cause a slip hazard and should be cleaned up immediately, minimising the creation of dust. For larger amounts contain with the use of a binding material and dispose of through the correct channels. (See section 13)

6.2 Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and ground water.

7. Handling and Storage

7.1 Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation and ignition sources. Ensure work areas are well ventilated and suitable extraction is available. Ensure all spillages are dealt with immediately.

7.2 Storage

Store in a cool, dry and well ventilated area and not above 45°C.

8. Personal Protection

8.1 Respiratory protection

Use only in a well ventilated area, a casual dusk mask may be worn.

8.2 Hand protection.

Disposable PVC gloves are recommended.

8.3 Eye Protection.

Suitable glasses/goggles must be worn at all times.

9. Physical and Chemical Properties

Form:	Fine powder
Colour:	Creamy White
Bulk Density:	0.45 +/- 0.1
Moisture % @105°C	0.7 Max
Particle Size [D(v.0.5)] µm	150 to 250
Sieve residue on 850 µm sieve	0.5 Max
Total residual monomer (ppm)	100 Max
Shore "A" hardness	70.0 +/- 5

10. Stability and Reactivity

10.1 Hazard Reactions

No hazardous reactions if stored and handled as prescribed/indicated. Ignitable/explosive mixtures of dust and air can form with excessive heat/ignition point.

11. Toxicological Information

11.1 Acute Toxicity The oral LD ₅₀ for rats	>2000 mg/kg
11.2 Sub Chronic effects	No relevant information found.
11.3 Sensitization	No relevant information found.

12. Ecological Information

12.1 Threshold limit Value in drinking water	Non available
12.2 Threshold limit Value in waste water	Non available
12.3 Threshold limit value in atmosphere	Non available

13. Disposal Consideration

13.1 Waste Disposal Methods.

Place into air-tight bags for incineration that complies with local, state and federal regulations.

13.2 Container/packaging Disposal method.

Same as the contents.

14. Transport Information

Not classified as hazardous under any current transport legislation.

15. Regulatory Information

Directive 1999/45/EEC (Preparation Directive):

This product does not require a hazard warning label in accordance with EC Directive. Classification and labelling were undertaken on the basis of test on a preparation of similar composition.

WGK

Class 1, Hazard to Water VwVwS

16. Other Information

The information contained in this document is supplied in good faith. The document is meant only as a guide and help with material safety handling. Individuals receiving this information must exercise their independent judgement in determining it's appropriateness for a particular purpose.