



SAFETY DATA SHEET

Pepton 44

Revision 4
Revision date 25-Jan-2008

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Pepton 44
Company Thomas Swan & Co. Ltd.
 Crookhall, Consett, County Durham, DH8 7ND, UK

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Emergency telephone number +44 (0) 1207 505131 / USA 800 123 4567/ South America & Mexico 703-527-3887
Product code PR0444
Intended use This material is used as a peptiser in the high temperature mastication of natural and synthetic rubbers.

2 HAZARDS IDENTIFICATION.

Main hazards Harmful by inhalation, in contact with skin and if swallowed. May cause sensitisation by skin contact.

Other hazards In Europe, 2,2'-dibenzamido diphenyl disulfide is also classified as dangerous to the environment. Organic powders or dusts are capable of being ignited to form dust cloud explosions.

3 . COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
2,2'-Dibenzamido Diphenyl Disulfide	50-60%	135-57-9	205-201-9	Xi; R43
Kaolin (Kaolin, respirable dust)	40-50%	1332-58-7	310-194-1	Xn; R20/21/22
Calcium silicate (Calcium silicate respirable)	0.5-1%	1344-95-2	215-710-8	Xi; R36/37

4. FIRST AID MEASURES

Skin contact Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.

Inhalation Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

Ingestion DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. Seek medical attention.

Pepton 44

Revision 4
Revision date 25-Jan-2008

5. FIRE FIGHTING MEASURES

Extinguishing media	Alcohol resistant foam. Carbon dioxide (CO ₂) Water spray. Do not allow runoff water to enter sewers or drains.
Fire hazards	Burning produces irritating, toxic and obnoxious fumes.
Protective equipment	Wear suitable respiratory equipment when necessary. Fire-fighters should wear self-contained breathing apparatus for large fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe. Advise local authorities if large spills cannot be contained.
Clean up methods	Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid formation of dust.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Kaolin (Kaolin, respirable dust)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 2 WEL 15 min limit mg/m ³ : -
Calcium silicate (Calcium silicate respirable)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 4 WEL 15 min limit mg/m ³ : -
Calcium silicate (Calcium silicate total inhalable dust)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 10 WEL 15 min limit mg/m ³ : -

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear: Suitable half mask respirator with filter P2 (EN 143)
Hand protection	Chemical resistant gloves (PVC) Butyl rubber gloves.
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing. Remove contaminated clothing.
Environmental exposure controls	Store on an impermeable surface.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Powder.
Colour	Blue.
Odour	Mild.
Relative density	Approx. 2.0 @20°C
Water solubility	insoluble in water.

Pepton 44

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10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heat.
Materials to avoid	Oxidising agents.
Hazardous decomposition products	Burning produces irritating, toxic and obnoxious fumes.

11. TOXICOLOGICAL INFORMATION

Toxicological information

2,2'-Dibenzamido Diphenyl Disulfide	Oral Rat LD50 = >4,000 mg/kg Dermal Rabbit LD50 = 10,000 mg/kg
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Acute toxicity	May cause irritation to respiratory system. May cause irritation to skin, eyes and mucous membranes.
Sensitization	May cause sensitisation by skin contact.
Further information	No further information is available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

2,2'-Dibenzamido Diphenyl Disulfide	Algae EC50/72h = >8 mg/l Daphnia LC50/48h = 0.095 mg/l Bacteria EC10/18h = >8 mg/l Rainbow trout LC50/96h = >10 mg/l
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Degradability	Not readily biodegradable.
Further information	No data is available on this product.

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
Disposal methods	Contact a licensed waste disposal company. Dispose of in compliance with all local and national regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
Disposal of packaging	Do NOT reuse empty containers. Contaminated packaging should be treated as for the substance/preparation.


14. TRANSPORT INFORMATION

Further information	The product is not classified in the US as dangerous for carriage.
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Pepton 44

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15. REGULATORY INFORMATION

Labelling	The product is classified in accordance with 67/548/EEC.
Symbols	Xn - Harmful 
Risk phrases	R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R43 - May cause sensitisation by skin contact.
Safety phrases	S22 - Do not breathe dust. S24/25 - Avoid contact with skin and eyes.
USA	TSCA listed: Yes. CERCLA Sections 102a/103 Hazardous Substances (40 CFR 302.4): Not regulated. SARA Title III Section 302 Extremely Hazardous Substances (40CFR355.30): Not regulated. SARA Title III Section 304 Extremely Hazardous Substances (40CFR355.40): Not regulated. SARA Title III Section 311/312 Hazardous Categories (40CFR370.21): Acute-Yes, Chronic-No, Fire-No, Reactive-No, Sudden Release-No. SARA Title III Section 313 (40CFR372.65): Not regulated. OSHA Process Safety (29CFR1910.119): Not regulated. California Proposition 65: Not regulated.
Canada	DSL/NDSL: listed. WHMIS: controlled. Not named in the Ingredient Disclosure List.

16. OTHER INFORMATION

Text of risk phrases in Section 3.	R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R36/37 - Irritating to eyes and respiratory system. R43 - May cause sensitisation by skin contact.
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.

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Amend 2, Issued July 2007

Supersedes: Amend 1, April 2005