

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name: ANCHORSET ACTIVATOR
Company: Nickerson Chemicals Limited - Dewsbury - WF12 9BQ
Chemical Name & Synonyms: Dibenzoyl Peroxide paste in phthalate plasticizer and Inert Fillers.
For Information: 01924 461341 (9.00 AM - 5.00 PM)
In an Emergency: As above

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components:	Cas Number	Percentage
Dibenzoyl Peroxide	94-36-0	<18%

3. HAZARDS IDENTIFICATION

May cause fire. May cause sensitisation by skin contact.

Signs and Symptoms of Exposure (Acute) May cause skin sensitisation.

Signs and Symptoms of Exposure (Possible Long Term Effects) Repeated exposure may cause sensitisation.

4. FIRST AID MEASURES

Summon immediate medical assistance after contact with skin, eyes, inhalation or ingestion.

Eye: Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.
Skin: Remove contaminated clothing. Wash with soap and copious amounts of water. In case of skin eruption seek medical advice.
Ingestion: Do not induce vomiting because of risk of aspiration seek medical advice.
Inhalation: Move to fresh air and rest. Seek medical attention after significant exposure

First Aiders should protect themselves from exposure (Ref to Section 8).

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, Dry powders, CO₂ and Foam. **Unsuitable - halones**
Exposure Hazards: If involved in a fire will support combustion. In case of fire do not breathe fumes.
Fire Fighting Equipment: Wear suitable protective clothing. Self contained breathing apparatus if involved in a large fire.

6. ACCIDENTAL RELEASE MEASURES

Scrape up and place in a suitable container. Wash area with water. Do not empty into drains.

Refer to section 5, 8 and 13 for Protective Measures and Disposal.

7. HANDLING AND STORAGE

Keep away from heat and sources of ignition.. No sparking tools should be used. Never bring into direct contact with accelerator. Store in a cool dry place. Keep away from reducing agents e.g. amines, acids, alkalis, heavy metals compounds.

When handling, suitable protective clothing should be worn. (Refer to Section 8)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

OCCUPATIONAL EXPOSURE LIMITS. 5.0 mg/m³

Engineering: Explosion proof ventilation recommended
Ventilation: Not normally required when using small quantities
Respiratory: Not required for normal use
Eye Protection: Goggles if splashes can occur
Skin Protection: Wear suitable gloves
Ingestion: N/A during normal use

9. PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Coloured smooth paste	Odour:	Faint
Viscosity:	N/A	Specific Gravity:	1.50 g/cm ³ (20°C)
Boiling Point:	Do not distil (decomposes)	Boiling Range:	N/A
Melting Point:	Not Required	Flash Point:	Above the SADT (50°C)
Flammability:	Will support combustion if involved in a fire.	Auto-Flammability:	> 380°C
Explosive Properties:	None	Oxidising Properties:	Oxidising
Vapour Pressure:	Not determined	Evaporation Rate:	N/A
Solubility:	Partly miscible in water	pH:	Slightly acidic
Partition Coefficient:	N/A	Di-Electric Strength:	N/A

Additional Information:**10. STABILITY AND REACTIVITY**

Stability:	A dangerous self accelerating decomposition reaction and under certain circumstances explosion or fire can be caused by direct contact with incompatible substances or by thermal decomposition
Incompatibility:	Violent reactions may be expected with acid, alkali, heavy metals and reducing agents. Avoid contact with rust. Do not mix with peroxide accelerators.
Hazardous Decomposition:	Carbon Dioxide, Benzoic Acid, Benzene, Diphenyl, Phenyl Benzoate
Hazardous Polymerisations:	None

11. TOXICOLOGICAL INFORMATION (Based on Dibenzoyl Peroxide 78% in water)

Oral:	LD ₅₀ rat > 5000 mg/kg
Inhalation:	LD ₅₀ rat > 24.3 mg/l 4 hours exposure time max.
Eye:	Mildly irritating (5 min exposure time)
Skin:	Non irritating (4 hours exposure time)

12. ECOLOGICAL INFORMATION

Based on Dibenzoyl Peroxide
Fish Acute toxicity, 96 h - LC₅₀ = 2.0 mg/l (poecilia reticulata)
Bacteria Activated sludge respiration inhibition test EC₅₀ = 35 mg/l Readily biodegradable

13. DISPOSAL CONSIDERATIONS

Dispose of according to local regulations contaminated packaging should be collected for recycling or most probably controlled incineration

14. TRANSPORT INFORMATION

ADR class 5.2 Item number 8b	RID class 5.2 Item number 8b
UN number 3108	Trem card Cefic Tec (R) 52G01
Proper shipping name Organic peroxide type E Solid (Dibenzoyl peroxide)	
IMO/IMDG Page 5228	

15. REGULATORY INFORMATION

Labelling:	Oxidising
Risk phrases	R7 May cause fire.
	R43 May cause sensitisation by skin contact.
Safety phrases	(S2) Keep out of reach of children.
	(S3/7/9) Keep container tightly closed in a cool well ventilated area
	(S14) Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds e.g., accelerators driers metal soaps.
	(S36/37/39) Wear suitable protective clothing, gloves and eye/face protection.
	(S50B) Do not mix with Peroxide accelerators.
	(S50C) Do not mix with reducing agents.

16. OTHER INFORMATION

Our ref: MSDS. Metolux Safety Data Sheet No. 155 **Date of Preparation:** July 2004 **Prepared By:** P Wadsworth

The information contained within this document is furnished without warranty of any kind. Users should consider this data only as a supplement of other information gathered by them and make independent determinations of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety of employees customers.

NICKERSON CHEMICALS LIMITED
MILL STREET EAST, DEWSBURY, WEST YORKSHIRE, WF12 9BQ
TEL: 01924 461341 FAX: 01924 458995

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name: ANCHORSET BASE
Company: Nickerson Chemicals Limited- Dewsbury - WF12 9BQ
Chemical Name & Synonyms: Unsaturated Polyester Resin in Styrene with Inorganic Fillers
For Information: 01924 461341 (9.00 AM - 5.00 PM)
In an Emergency: As above

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components:	Cas Number	Percentage
Styrene	100-42-5	<16%

3. HAZARDS IDENTIFICATION

Harmful, Flammable, Irritant vapour.

Signs and Symptoms of Exposure (Acute Effects) Irritant of skin, eyes and respiratory tract.

Signs and Symptoms of Exposure (Possible Long Term Effects) Irritant. Can cause skin disorders with repeated prolonged exposure. Inhalation of vapour can cause nausea and headaches.

4. FIRST AID MEASURES

Summon immediate medical assistance after contact with skin, eyes, inhalation or ingestion.

Eye: Irrigate with clean water for at least 15 minutes. Seek medical attention.
Skin: Remove from skin with plenty of soap and water. Remove contaminated clothing. If irritation persists, seek medical advice.
Ingestion: Drink plenty of water. Seek medical attention. DO NOT INDUCE VOMITING.
Inhalation: Move patient to fresh air and allow to rest. If patient is slow to recover or unconscious, obtain medical assistance immediately.

First Aiders should protect themselves from exposure (Ref to Section 8).

5. FIRE FIGHTING MEASURES

Extinguishing Media: Dry powders, CO₂ and Foam.
Exposure Hazards: Flammable. Sealed containers heated can pressurise leading to explosion. Emits acrid black smoke and irritating fumes when heated to decomposition.
Fire Fighting Equipment: Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Do not discharge into sewers. Scrape up and place into a suitable container for disposal. Wash area with water.

Refer to section 5, 8 and 13 for Protective Measures and Disposal.

7. HANDLING AND STORAGE

Keep away from heat and sources of ignition. Store below 25°C in a dry well ventilated space. Store separately from peroxides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

OCCUPATIONAL EXPOSURE LIMITS. Long Term: 100 ppm (UK)
Short Term: 10 minutes 250 ppm (UK)

Respiratory: If forced air extraction is not available in enclosed areas an organic vapour mask will be required if the occupational exposure limit is exceeded.
Ingestion: Unlikely during normal use.
Skin Protection: Wear gloves at all times.
Eye Protection: Not normally required during normal use. If splashing can occur, goggles should be worn.

9. PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Thick coloured paste	Odour:	Styrene
Specific Gravity:	1.63 g/cm ³ at 20°C	Viscosity:	N/A
Melting Point/Melting Range:	N/A	Boiling Point/Range:	N/A
Flash Point:	31°C	Flammability:	Flammable
Explosive Properties:	Lower limit 1.1% Upper limit 6.1%	Auto-Flammability:	490°C
Oxidising Properties:	None	Vapour Pressure:	6.52 mb at 20°C (Styrene)
Evaporation Rate:	N/A	Solubility:	Insoluble in water
pH:	N/A	Partition Coefficient:	N/A
Di-Electric Strength:	N/A	Additional Information:	N/A

10. STABILITY AND REACTIVITY

Stability:	Can polymerise (solidify) exothermically if heated, exposed to air, sunlight or by addition of free radical initiators. Stable under normal conditions.
Materials to Avoid:	Reacts vigorously with strong oxidising agents and peroxides.
Hazardous Decomposition:	Emits acrid smoke and irritating fumes when heated to decomposition.
Hazardous Polymerisations:	Polymerisations in a closed container can give rise to pressure, which may rupture the vessel.

11. TOXICOLOGICAL INFORMATION

Oral:	Material is classed as harmful. An LD ₅₀ (rat) is 5 g/kg for Styrene. LC ₅₀ (rat) ranges between 2770-6000 ppm.
Inhalation:	Lung irritant can induce drowsiness and eventual unconsciousness.
Eye:	Severe irritant
Skin:	Modest irritant

12. ECOLOGICAL INFORMATION

Do not discharge into drains or the environment.

13. DISPOSAL CONSIDERATIONS

In an uncured state, place in a suitable container and dispose as chemical waste in accordance with local regulations. Small quantities may be reacted with the corresponding amount of activator. Allow to cure and dispose as solid waste.

14. TRANSPORT INFORMATION

Supply label:	Harmful
	Flammable
	UN No./SI No. 3269. Polyester resin kit
	Hazard Class 3
	Packing Group III

15. REGULATORY INFORMATION

Labelling:	Harmful, Flammable.
	Risk Phrases (R10) Flammable
	(R20) Harmful by inhalation.
	(R36/38) Irritating to skin and eyes.
	Safety Phrases (S2) Keep out of reach of children.
	(S23) Do not breathe vapour.
	(S36/37/39) Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION

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Date of Preparation: July 2004

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