



## Castle Chemicals Limited

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### MATERIAL SAFETY DATA SHEET

#### NEODENE 40/45

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#### 1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND OF THE COMPANY UNDERTAKING.

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Product Name	Neodene 40/45
Supplier	Castle Chemicals Ltd, Peak House 6 Oxford Road, Altrincham, Cheshire WA14 2DY Tel: +44 161 608 8800 Fax: +44 161 608 1910 Email: <a href="mailto:sales@castlechemicals.com">sales@castlechemicals.com</a>

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#### 2. COMPOSITION

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Hazardous components:	None
EEC classification:	NA
R Phrases	NA
S Phrases	NA

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#### 3. CHEMICAL AND PHYSICAL PROPERTIES

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Appearance	Amorphous solid white to yellow
Odour	Faint characteristic
PH	Not applicable
Flash point	Not applicable
Flammability	Not applicable
Auto flammability	>440°C
Explosive properties	Not applicable
Oxidizing properties	Not applicable
Melting point	Not applicable
Boiling point	Not applicable
Density	>0.90g/cm <sup>3</sup>
Solubility-water	Insoluble
Solubility-solvent	Soluble in organic solvents that will dissolve rubber
Vapour pressure	Not applicable
Solubility-coefficient	Not available
Neurotoxicity	Not available

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#### 4. HAZARDS IDENTIFICATION

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Main hazard	The polymer itself is essentially non-toxic
Flammability	Combustible
Chemical hazard	Avoid contact with strong oxidisers
Biological hazard	Not applicable
Reproduction hazard	No information is available
Eye effects-eyes	Particles may cause mild irritation
Health effects-skin	Finished product do not seem to effect the skin
Health effects-ingestion	Information not available but is unlikely to cause health effects
Health effects-inhalation	Not applicable
Carcinogenicity	BR is not carcinogenic in itself
Mutagenicity	No human or animal data available

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#### 5. FIRST AID MEASURES

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##### SKIN CONTACT

If irritation occurs, wash gently and thoroughly with water and soap. If irritation persists, obtain medical advice.

##### EYE CONTACT

Wash gently with water until material causing the irritation is removed.

##### INGESTION

Have person drink several glasses water or milk. Do not induce vomiting. Get medical attention

##### INHALATION

Not applicable

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#### 6. EXPOSURE CONTROLS & PERSONAL PROTECTION

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Occupational exposure limit	None
Engineering	To reduce hazardous
Control measures	Exposures are preferred
Personal protection	
Respiratory	No specific guidelines are available
Hand	Gloves
Eye	None. Wear safety goggles if dust is present
Skin	Light protective clothing
Other protection	Wash hands with soap before breaks and after work. Maintain good housekeeping

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#### 7. DISPOSAL CONSIDERATION

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Disposal methods	Can be disposed of or incinerated together with household refuse in accordance with regulations after consultation with local authority
Disposal of packaging	Recycle packaging where possible. Incinerate if packaging is wood or dispose of as non hazardous waste

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## 8. TRANSPORT INFORMATION

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Land transport	Not restricted
Sea transport	Not restricted
IMDG/IMO Shipping Name	Crude Synthetic Rubber
DOT Classification	Non Hazardous

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## 9. FIRE FIGHTING MEASURES

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Extinguishing media	Water spray, carbon dioxide, dry chemical powder Or alcohol/polymer foam. <u>Do not use water jet.</u>
Special hazard	The polymer burning process seems to be self-sustaining as long as fuel and oxygen are present. In fires hazardous combustion gasses are formed: Carbon monoxide and dioxide
Protective clothing	Wear gloves and use self-contained breathing apparatus.

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## 10. ACCIDENTAL RELEASE MEASURES

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Personal precautions	Water adequate personal protection
Environmental Precautions	A release or spill would not constitute a safety hazard
Small spills	Take up mechanically. Dispose of absorbed material with local regulation for disposal of non hazardous waste.
Large Spills:	As above

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## 11. HANDLING & STORAGE

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Suitable material	Not applicable
Handling & Storage	Store below 60°C
Precautions	Protect from sun. In case of thermal processing, provide for extraction of the vapours or adequate ventilation.

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## 12. STABILITY & REACTIVITY

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Conditions to avoid	Not available
Incompatible materials	Stable under normal use. Avoid contact with strong oxidisers
Hazardous decomposition products	Carbon monoxide and dioxide

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## 13. TOXICOLOGICAL INFORMATION

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Acute toxicity	Does not have hazardous effects on health
Skin and eye contact	Not available
Chronic toxicity	Not available
Carcinogenicity	Not available
Mutagenicity	Not available
Reproductive hazards	Not available

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## 14. ECOLOGICAL INFORMATION

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<b>Aquatic toxicity</b>	
Fish	Data not available
Daphnia	Data not available
Algae	Data not available
<b>Biodegradability</b>	Not bio-degradable
<b>Bio-accumulation</b>	Data not available
<b>Mobility</b>	Data not available
<b>German wgk</b>	Data not available

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## 15. REGULATORY INFORMATION

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<b>EEC hazard classification</b>	This substance has not been published in Commission Directives 93/72/EEC or 94/69/EC
<b>Risk phrases</b>	Data not available
<b>Safety phrases</b>	Data not available
<b>National legislation</b>	Data not available

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## 16. OTHER INFORMATION

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**CAS NO** 9003-17-2

Approved by: J Jorden & G Thom

Reference:

- Canadian centre for occupational health and safety
- Patty's industrial hygiene and toxicology
- Firestone synthetic rubber and latex company U.S.A.
- B.S.L. Germany
- Applicable own physical and chemical, toxicity and ecotoxicity research studies.
- Material Safety Data Sheets & CHEMI NFO; CCOHS.

**MSDS DOCUMENT NO: KARBOCHEM 03/04**

**ISSUE: 1**

**ISSUE DATE: 01.08.01**