

Amroy Europe Oy

HYBTONITE Pastes

RESIN SYSTEM

HYBTONITE® UN Paste

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product name: Name of Substance HYBTONITE UN Paste
 Product type: Additives for rubber

Supplier: Amroy Europe Oy VAT No. FI19869654
 P. O. Box 144
 FI – 15101 Lahti, FINLAND www.amroy.fi

Contact numbers/Emergency: Tel. +358 400 815 266
 Fax. +358 20 711 8609 (production)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Preparation description: Reacted CNTs in liquid paste

Dangerous components/constituents

R42/43 May cause sensitization with direct skin contact or by inhalation.

CAS Number:

68954-72-3	Aliphatic carbon monomer residues	90 – 100 %
7440-48-4	Cobalt	0 – 0,1 %
7782-42-5	Synthetic Graphite	0 – 5 %

3. HAZARDS IDENTIFICATION

Ventilate properly when heated. Prevent direct skin contact.

4. FIRST AID MEASURES

First Aid:

- inhalation Fresh air and seek medical help if needed. No specific measures.
- skin Rinse with a lot of water and soap. Take dirty clothes off.
- eye Do not delay. Flush eye with a lot of water for min 15 minutes. If persistent irritation occurs, obtain medical attention immediately.
- ingestion In the unlikely event of ingestion and if symptoms occur obtain medical attention immediately.

Advice to Physicians: Treat like oil.

5. FIRE FIGHTING MEASURES

Special hazards: Not classified as flammable, but will burn. Carbon monoxide may be involved incomplete combustion occurs. Ventilate properly when heated.

Extinguishing media:

- small fires Dry chemical powder, carbondioxide foam, water spray or fog, sand or earth.
- large fires Foam, water spray or fog.

Unsuitable extinguishing media: Water in a jet.

Protective equipment: Full protective clothing and self contained breathing apparatus.

Other information: Keep adjacent containers cool by spraying with water.

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6. ACCIDENTAL RELEASE MEASURES

Personal protection:	Wear protective clothing specified for normal operations (see section 8).
Environmental precautions:	Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers. If materials enters drains it should be pumped out into an open vessel. Emergence services may need to be called to assist in this operation.
Clean-up methods:	Absorb or contain liquid with sand, earth or spill control material.

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin, eyes and clothing.
Storage:	Keep container tightly closed and dry. Palletised loads should be stacked to a maximum of 4 high.
Storage temperatures:	Recommended at 0 – 50 °C temperatures.

8. EXPOSURE CONTROLS / personal protection

Occupational exposure standards:	None established.
Respiratory protection:	Not normally required.
Hand protection:	Nitride rubber gloves or butyl rubber gloves.
Eye protection:	Monogoggles.
Body protection:	Standard issue work clothes, safety boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	High viscous liquid
Colour:	Black
Odour:	Slight odour but strong when heated
Density:	800 – 1000 kg/m ³ at 25 °C (typical)
Dynamic viscosity:	200 – 1000 mPa·s
Flash point:	Over 200 °C
Solubility in water:	Negligible/minimal

10. STABILITY / REACTIVITY

Stability:	Stable under normal use conditions.
Conditions to avoid:	Ventilate properly when heated.
Materials to avoid:	–
Hazardous decomposition products:	Carbon monoxide when burned with lack of air.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not classified as dangerous.
Eye and skin irritation:	Not classified as irritant but may irritate eyes and skin.
Respiratory irritation:	–
Skin sensitisation:	Slight sensitization in direct continuous skin contact.
Carcinogenicity:	–
Mutagenicity:	–

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12. ECOLOGICAL INFORMATION

Basis for assessment: –
Mobility: –
Persistence/degradability: –
Bioaccumulation: –
Acute toxicity – fish: –
Sewage treatment: –

Marine Pollutant: Not classified as marine pollutant.

13. DISPOSAL CONSIDERATIONS

Recycling whenever possible. Can be burned at appropriate controlled facilities.

14. TRANSPORT INFORMATION

Classification:

ARD / ADR / RID Not classified as dangerous goods.

IMDG / Sea transport Not classified as dangerous goods.

ICAO / IATA / Air transport Not classified as dangerous goods.

15. REGULATORY INFORMATION

Label name: HYBTONITE UN Paste

Classification & Labelling: Not classified as dangerous.

Risk phrases: R42/43 May cause sensitization by inhalation and skin contact.

Safety phrases: S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of soap and water.
S37/39 Wear suitable gloves and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. OTHER INFORMATION

Uses and restrictions: An additive for rubber and plastics

MSDS distribution: This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters.

DISCLAIMER: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as a guarantee of any specific property of the product.

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