



**HMG Coatings (South) Ltd**  
 Faraday Park  
 West Portway Ind Est  
 Andover  
 Hants  
 SP10 3SA  
**Tel:** 01264 356296  
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## PRODUCT NAME

**Synergy™ BD Rapid**

Material Safety Datasheet

## 1. Identification of Preparation

**Product:** Synergy™ BD Rapid  
**Limitations of Use:** For Industrial and Professional use only.

**Company:** **HMG COATINGS SOUTH LTD**  
 Faraday Park  
 West Portway Ind Est  
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**Telephone:** 01264 356296  
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## 2. Hazards identification

### Classification of the substance or mixture

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC



N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R10-67: Flammable. Vapours may cause drowsiness and dizziness.

### · Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Has a narcotizing effect.

### · Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### Label elements

#### · Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

#### · Code letter and hazard designation of product:

N Dangerous for the environment

#### · Risk phrases:

10 Flammable.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

67 Vapours may cause drowsiness and dizziness.

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### • Safety phrases:

- 43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 57 Use appropriate container to avoid environmental contamination.
- 60 This material and its container must be disposed of as hazardous waste.

### • Special labelling of certain preparations:

Contains 2-butanone oxime. May produce an allergic reaction.

### • Other hazards

### • Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

## 3. Composition/information on ingredients

### • Chemical characterization: Mixtures

• **Description:** Mixture of substances listed below with nonhazardous additions.

### • Dangerous components:

	Naphtha (petroleum), hydrodesulphurised heavy Xn R65;  N R51/53 R10-66-67 Flam. Liq. 3, H226;  Carc. 1B, H350;  Asp. Tox. 1, H304	25-50%
CAS: 90989-38-1 EINECS: 292-694-9	Aromatic hydrocarbons, C8 Xn R20/21-48-65;  Xi R36/37/38 Carc. Cat. 2, Muta. Cat. 2 Carc. 1B, H350	2.5-10%
	Solvent naphtha (petroleum), medium aliph. Xn R65 Asp. Tox. 1, H304;  Acute Tox. 4, H332	2.5-10%
CAS: 96-29-7 EINECS: 202-496-6	2-butanone oxime Xn R21-40;  Xi R41;  Xi R43 Carc. 2, H351;  Eye Dam. 1, H318;  Acute Tox. 4, H312; Skin Sens. 1, H317	≤ 2.5%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4. First aid measures

### • Description of first aid measures:

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
 No further relevant information available.



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## 5. Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**  
 Water  
 Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:**  
 Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**  
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 Do not flush with water or aqueous cleansing agents
- **Reference to other sections**  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

## 7. Handling and storage

### Handling:

- **Precautions for safe handling** Keep receptacles tightly sealed.
- **Information about fire - and explosion protection:**  
 Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

## 8. Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.



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### Exposure controls

- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**

When skin exposure may occur, advice should be sought from the glove supplier on appropriate types and usage times for this product.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

## 9. Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**

- **Appearance:**

**Form:** Liquid

**Colour:** Transparent

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 137 °C

- **Flash point:** 25 °C - 32°C

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** 230 °C

- **Decomposition temperature:** Not determined.

**Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.



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### · **Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

· **Vapour pressure:** Not determined.

· **Density at 20 °C:** 0.899 g/cm<sup>3</sup>

· **Relative density:** Not determined.

· **Vapour density:** Not determined.

· **Evaporation rate:** Not determined.

· **Solubility in / Miscibility with water:** NOT MISCIBLE

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

**Dynamic at 20 °C:** 300 mPas

**Kinematic:** Not determined.

· **Solvent content:**

**Organic solvents:** 36.8 %

**Solids content:** 45.6 %

· **Other information:** No further relevant information available.

## 10. Stability and reactivity

### Reactivity

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Possibility of hazardous reactions:** No dangerous reactions known.

· **Conditions to avoid:** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known.

## 11. Toxicological information

### Information on toxicological effects

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

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## 12. Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**

Also poisonous for fish and plankton in water bodies.  
 Toxic for aquatic organisms

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13. Disposal considerations

### Waste treatment methods

- **Recommendation**
- Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14. Transport information

- **UN-Number**
- **ADR, IMDG, IATA** UN1263
- **UN proper shipping name**
- **ADR 1263 PAINT** (not viscous)
- **IMDG, IATA** PAINT
- **Transport hazard class(es)**
- **ADR, IMDG, IATA**



- **Class 3** Flammable liquids.
- **Label 3**
- **Packing group**
- **ADR, IMDG, IATA** III
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Flammable liquids.
- **Danger code (Kemler):** 30

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- **EMS Number:** F-E,S-E
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**
- **ADR**
- **Limited quantities (LQ)** 5L
- **Transport category** 3
- **Tunnel restriction code** D/E

**15. Regulatory information (Supply and Labelling)****Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
I	0.1
NK	36.8

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16. Other Information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H350 May cause cancer.
- H351 Suspected of causing cancer.
- R10 Flammable.
- R20/21 Harmful by inhalation and in contact with skin.
- R21 Harmful in contact with skin.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R40 Limited evidence of a carcinogenic effect.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R48 Danger of serious damage to health by prolonged exposure.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

- **Department issuing MSDS:** Product safety department: LABORATORY
- **Contact:** Health & Safety Officer

**17. Revision Details**

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.