

# SAFETY DATA SHEET

## Restorer Heavy Duty

### 1. Identification of the substance/preparation and of the company/undertaking

**Product name** : Restorer Heavy Duty  
**Code** : 51339  
**Head Office** : **Cookson Electronics** **Manufacturer** : Ashford Manufacturing Site  
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### 2. Composition / information on ingredients

**Substance/Preparation** : Preparation

Chemical name*	CAS No.	%	EC Number	Classification
<b>Europe</b> 1h-benzotriazole	95-14-7	1-5	202-394-1	Xn; R22 Xi; R36 R52/53
See Section 16 for the full text of the R Phrases declared above				

\* Occupational Exposure Limit(s), if available, are listed in section 8

### 3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

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**Skin Contact** : Irritation of the product in case of skin contact: Not available. Sensitization of the product: Not available.

**Aggravating conditions** : Repeated or prolonged exposure is not known to aggravate medical condition.

### 4. First-aid measures

#### First-Aid measures

**Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin Contact** : Wash with soap and water. Get medical attention if irritation develops. Cold water may be used.

**Eye Contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

### 5. Fire-fighting measures

#### Extinguishing Media

**Suitable** : Not applicable.

**Special fire-fighting procedures** : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## 6. Accidental release measures

- Personal precautions** : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
- Environmental Precautions and Clean-up Methods** : Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Note:** See section 8 for personal protective equipment and section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended use** : Use original container.
- Danish Fire Class** : Not applicable.

## 8. Exposure controls/personal protection

- Engineering measures** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
- Hygiene measures** : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.
- Occupational Exposure Limits** : Not available.

<u>Ingredient Name</u>	<u>Occupational Exposure Limits</u>
Europe	
Sweden	
Denmark	
Norway	
France	
Netherlands	
Germany	
Finland	
United Kingdom (UK)	
propylene glycol	<b>EH40-OES (United Kingdom (UK), 2002). Notes: OES</b> TWA: 10 mg/m <sup>3</sup> 8 hour(s). Form: Particulate TWA: 474 mg/m <sup>3</sup> 8 hour(s). TWA: 150 ppm 8 hour(s). Not available.
1h-benzotriazole	
Austria	
Switzerland	
Belgium	
Spain	

### Personal protective equipment

- Respiratory system** : Wear appropriate respirator when ventilation is inadequate.

## Restorer Heavy Duty

**Skin and body** : Lab coat.  
**Eyes** : Safety glasses.

## 9. Physical and chemical properties

**Physical state** : Liquid.  
**Color** : Amber.  
**Odor** : Faint  
**pH** : 7 (Conc. (% w/w): 100) [Neutral.]  
**Boiling Point** : 100°C (212°F)  
**Melting Point** : May start to solidify at -0.1°C (31.8°F) based on data for: water. Weighted average: -24.36°C (-11.8°F)  
**Flash point** : Not applicable.  
**Explosive properties** : Risks of explosion of the product in presence of mechanical impact: Not available.  
Risks of explosion of the product in presence of static discharge: Not available.  
**Oxidizing Properties** : Not available.  
**Density** : 1.201 g/cm<sup>3</sup> (20°C / 68°F)  
**Solubility** : Easily soluble in cold water, hot water.  
**Vapor Density** : The highest known value is 2.62 (Air = 1) (propylene glycol).  
**Evaporation rate (butyl acetate = 1)** : The highest known value is 0.36 (water) Weighted average: 0.22 compared to (n-BUTYL ACETATE=1)

## 10. Stability and reactivity

**Stability** : The product is stable.  
**Hazardous Decomposition Products** :

## 11. Toxicological information

### Acute toxicity

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
COBRATEC 99	LD50	560 mg/kg	Oral	Rat
	LD50	500 mg/kg	Oral	Guinea pig
	LD50	615 mg/kg	Oral	Mouse
	LDLo	450 mg/kg	Dermal	Rabbit

### Local effects

**Chronic toxicity** : Repeated or prolonged exposure is not known to aggravate medical condition.

## 12. Ecological information

## 13. Disposal considerations

**Methods of disposal ; Waste of residues ; Contaminated packaging** : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Waste Classification** : Not applicable.

**European Waste Catalogue (EWC)** : Not available.

**Hazardous Waste** : To present knowledge of the supplier, this product is not regarded as hazardous waste as defined by EU Directive 91/689/EC.

## 14. Transport information

### International transport regulations

## Restorer Heavy Duty

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
ADR/RID Class	N	Not available.	Not available.			-
IMDG Class	N	Not available.	Not available.			-
IATA-DGR Class	N	Not available.	Not available.			-

## 15. Regulatory information

### EU Regulations

- Risk Phrases** : This product is not classified according to the EU regulations.
- Safety Phrases** : S37- Wear suitable gloves.
- Product Use** : Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use.  
- Consumer applications.
- Additional Warning Phrases** : Safety Data Sheet available for professional user on request.
- EC Statistical Classification (Tariff Code)** : 32089091

### National regulations

#### Denmark

- Additional Warning Phrases** : Safety Data Sheet available for professional user on request.
- Denmark – Cancer Risks** : Not available.
- Denmark – Restrictions on Use** : Not available.
- Statutory Order 517 on Aerosols** : Not applicable.

#### Netherlands

- K-Klasse** : K5
- CPR** : Not regulated.
- SHHR** : 0ZZ

#### Germany

- Employment restrictions in accordance with § 15b of the Hazardous Substance Ordinance** : No.
- Hazardous Incident Ordinance** : No.
- Ordinance on Combustible Liquids** : Class: Omitted
- Hazard class for water** : 3

## 16. Other information

- Full text of R-Phrases with no. appearing in Section 2 - Europe** : R22- Harmful if swallowed.  
R36- Irritating to eyes.  
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- Text of classifications appearing in Section 2 - Europe** : Xn - Harmful  
Xi - Irritant

### HISTORY

- Date of printing** : 14/08/2003.
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- Version** : 1
- Prepared by** :

### Notice to Reader

## Restorer Heavy Duty

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Version 1

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