

# JOHN ASTLEY & SONS LTD

MATERIAL SAFETY DATA SHEET

52467 - 52468

18/01/07

## HIGH PERFORMANCE DEGREASER

### 1. IDENTIFICATION OF THE PRODUCT AND COMPANY

**Product name:** High Performance Degreaser (DSI 1000)

**Intended Use:** General cleaning and degreasing.

**Manufacturer:** Mykal Industries Ltd  
Unit 5, Morris Close, Park Farm Ind. Est.,  
Wellingborough,  
Northants. NN8 6XF  
Telephone Number: 01933 402822  
Fax Number: 01933 402488

**Distributor:** John Astley & Sons Ltd,  
Renown Avenue,  
Coventry Business Park,  
Coventry CV5 6UF  
Tel: (024) 7685 4545. Fax: (024) 7685 4515. E-mail: sales@astleys.co.uk

### 2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

<b>Ingredient.</b>	<b>Cas No</b>	<b>EinecsNo.</b>	<b>Contents</b>	<b>Classification</b>
Aliphatic Hydrocarbon	64742-47-8	265-149-8	70-90%	Xn; R65
Orange terpenes	8028-48-6	232-433-8	10-20%	Xn; R10, R65

**Comments:** Proprietary blend of citrus oils and Hydrocarbon (Benzene <0.1%).

### 3. HAZARDS IDENTIFICATION OF THE PREPARATION

**Hazards:** This product is classified as harmful under the CHIP (3) Regulations.

### 4. FIRST AID MEASURES

**Inhalation:** Remove patient to fresh air, keep at rest and seek medical advice.

**Eye Contact:** Flush with water as needed.

**Skin Contact:** Wash with soap and water; remove any contaminated clothing and shoes.  
Do not allow saturated clothing to remain in contact with skin for prolonged periods

**Ingestion:** Do not induce vomiting. May be harmful if ingested into the lungs.  
Seek medical advice

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Water fog, CO2, dry powder or foam.  
The use of water streams should be avoided, as this will tend to spread the fire

**Fire fighting procedures:** Suitable self-contained breathing apparatus should be used in confined areas.

**Unusual fire and Explosion hazards:** Stay upwind of fire.

**Hazardous Decomposition products:** Burning product will liberate CO2 and possibly CO. Avoid breathing smoke.

### 6. ACCIDENTAL RELEASE MEASURES

**Spill clean up Methods:** Contain and absorb with dry sand or oil absorbent.  
Dispose of as dry oil waste.  
Used or contaminated product should not be allowed to enter waterways.

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### 7. HANDLING & STORAGE

**Handling:** Do not handle or use near open flames or sources of ignition.

**Storage:** Store in cool, well-ventilated place away from sources of ignition and heat.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient.	Cas No.	LT Exposure 8 hours
Aliphatic Hydrocarbon	64742-47-8	1200mg/m3.
Orange terpenes	8028-48-6	800mg/m3.

**Engineering:** Care should be taken to ensure that any plant used in conjunction with this product runs within the product's working temperature range.

**Ventilation:** Adequate natural ventilation will suffice in most instances.

**Respiratory:** None required in normal use.

**Eye protection:** Safety glasses should be worn to prevent splashes.

**Skin protection:** The use of Nitrile rubber gloves and/or apron is advised.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	180-239°C (ASTM 1087)
<b>Appearance:</b>	Clear, colourless liquid
<b>Odour:</b>	Citrus.
<b>p.H.</b>	No data available.
<b>Flash Point:</b>	67°C (PMCC).
<b>Explosive Limits:</b>	Lel – 0.6% @ 28°C Uel – 6.5% @ 28°C
<b>Dielectric strength:</b>	50,000 v
<b>Density:</b>	0.8 g/cm <sup>3</sup>
<b>Vapour Density:</b>	4.5 @ 80°C (Air = 1)
<b>Viscosity:</b>	1.97 mm <sup>2</sup> /S (IP71)
<b>Solubility:</b>	Insoluble.
<b>Auto Ignition:</b>	180°C (ASTM E659)

### 10. STABILITY AND CHEMICAL PROPERTIES

**Conditions to avoid:** Avoid open flames, welding arcs, or other high temperature sources which induce thermal decomposition.

**Materials to avoid:** Avoid contact with strong oxidising agents.

#### **Hazardous**

**Decomposition Products:** As with any organic material, combustion will liberate carbon dioxide and/or carbon monoxide

### 11. TOXICOLOGICAL INFORMATION

**Ingestion:** Non-toxic (LD50> 17.750 mg/kg).

**Inhalation:** Small amounts of liquid ingested into lungs may cause bronchopneumonia.

**Skin Contact:** Non-irritant (PSI index 0.2). Prolonged skin contact may aggravate dermatitis in sensitive individuals and cause skin dryness or cracking.

**Eye Contact:** Non-irritant (DEI score 0.00).

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### 12. ECOLOGICAL INFORMATION

- Biodegradation (EEC):** Biodegradable, liquid will evaporate readily.
- Other:** Inherently biodegradable (OECD)  
No acute toxicity to aquatic organisms is expected.

### 13. DISPOSAL CONSIDERATIONS

- Disposal:** This product is classified as inherently biodegradable. In its virgin state it may be disposed of as oil waste. Used or contaminated waste should be disposed of in accordance with the contaminant. Any disposal practice must be in compliance with all local and national laws and regulations.

### 14. TRANSPORT INFORMATION

- Intrastate Ref:** 2901.10.90
- Class:** This material is not regulated for transport and is not a marine pollutant.
- Proper Shipping Name:** None.

### 15. REGULATORY INFORMATION

- Risk Phrases:** R-65 Harmful, may cause lung damage if swallowed.  
R-66 Repeated exposure may cause skin dryness or cracking.
- Safety Phrases** S-62 If swallowed, do not induce vomiting, seek medical advice immediately and show the container or label.

### 16. OTHER INFORMATION

This data sheet does not constitute a users assessment of the workplace risk as required by the Health and Safety at Work Act, COSHH, Management of Health and Safety at Work or other health and safety legislation.

The advice 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 specific properties, technical performance or suitability for particular applications.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

Date Revised 24<sup>th</sup> June 2002