



MATERIAL SAFETY DATA SHEET

DATE: 07.02.11

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME: DELAPENA HD2 HEAVY DUTY HONING FLUID
SUPPLIER: Delapena Honing Equipment Ltd., The Runnings, Cheltenham, Gloucestershire. GL51 9NJ. United Kingdom.
TEL: 01242-516341
FAX: 01242-221246

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION: A blend of refined mineral oils together with anti-corrosion, friction and extreme pressure additives..

3. HAZARDS IDENTIFICATION

Not classified as dangerous under current UK Health and Safety, and Environmental legislation when used in the application for which it is intended.

4. FIRST AID MEASURES

INHALATION: Provide rest, warmth and fresh air. Get medical attention if any discomfort continues. If respiratory problems, artificial respiration/oxygen.
INGESTION: Immediately rinse mouth and provide fresh air. Drink plenty of water. Do not give victim anything to drink if unconscious. DO NOT induce vomiting. Get medical attention immediately.
SKIN: Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
EYES: Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5. FIRE FIGHTING MEASURES

Not considered flammable and does not constitute a fire hazard.

EXTINGUISHING MEDIA: Carbon Dioxide, dry powder, sand, earth, foam or fog of water spray. Use fog of water spray to cool fire exposed surfaces. Do not use water jet.

SPECIAL FIRE FIGHTING PROCEDURES:

Withdraw immediately in case of discoloration of tanks due to fire. Use water to keep fire exposed containers cool and disperse vapours. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Risk of explosion in closed containers if pressure rises rapidly. Run off from the fire must not enter drains.

HAZARDOUS DECOMPOSITION PRODUCTS:

Fire creates Carbon Dioxide (CO₂).

PROTECTIVE MEASURES IN FIRE: Wear suitable protective clothing. Wear suitable respiratory protection when dealing with a fire.



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6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as requested to appropriate authorities such as the local Environmental Health Officer or Fire Brigade. If spills are likely to enter any drain, waterway or ground water, contact the Area Water Authority. In case of accident or road spill, contact the Police and Fire Brigade and, if appropriate, the Area Water Authority.

PROCEDURE IF MATERIAL IS RELEASED OR SPILLED: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Contain and absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate licensed waste disposal site in accordance with current applicable laws and regulations and product characteristics at time of disposal.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

7. HANDLING & STORAGE

HANDLING: Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Risk of vapour concentration on floor and in low lying areas. Static electricity and formation of sparks must be prevented. Avoid release of oil mists.

STORAGE: Use only containers, pipes, joints and seals that are resistant to hydrocarbons. Flammable/combustible – Keep away from oxidizers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks. Keep containers tightly closed and if stored outside then store on sides to prevent ingress of water. Keep away from heat, sparks and open flame. Use containers made of carbon steel, stainless steel, and polyethylene. Do not store in areas where food and drink are taken. Do not store in open or unlabelled containers.

8. EXPOSURE CONTROL

PROTECTIVE EQUIPMENT:



PROCESS CONTROL MEASURES: Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash all splashes from the skin immediately.

VENTILATION: No special requirements under ordinary conditions of use, but provide adequate general and local exhaust ventilation. Provide sufficient ventilation during operations which cause vapour formation.

PROTECTIVE GLOVES: Protective gloves must be used if there is a risk of direct contact or splash. Ensure gloves are manufactured/tested in accordance with BS EN 374.



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8. EXPOSURE CONTROL (CONTINUED)

EYE PROTECTION: Normal industrial eye protection practices should be employed.

OTHER PROTECTION: Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGENIC WORK ROUTINES: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Keep away from foodstuffs, beverages and feed.

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Liquid

FLASHPOINT: > 150°C

COLOUR: Dark Amber

pH OF AQUEOUS SOLUTION: N/A

AUTOFLAMMABILITY: > 150°C

ODOUR: Sulphurised

VAPOUR PRESSURE: N/A

BOILING POINT: > 100°C

DENSITY: 0.898 @ 15.6°C

BULK DENSITY: N/A

MELTING POINT: N/A

VISCOSITY: 19 to 22 cSt @ 40°C

WATER SOLUBILITY: Practically insoluble

OTHER SOLUBILITY: Miscible with many organic solvents.

EXPLOSION LIMITS: N/A

OXIDISING PROPERTIES: Can assist the mild oxidation of Copper and Copper alloys.

PARTITION COEFFICIENT

OCTANOL/WATER: N/A

10. STABILITY & REACTIVITY

STABILITY: Normally stable under normal conditions of use. Avoid heat, sparks, and flames.

HAZARDOUS DECOMPOSITION PRODUCTS: No specific hazardous decomposition products noted under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

ORAL: Expected to possess a relatively low degree of acute oral toxicity.

DERMAL: Expected to be relatively non-toxic by dermal route.

SKIN: Expected to be a slight irritant.

EYES: Expected to be a slight irritant.



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12. ECOLOGICAL INFORMATION

- WATER:** The individual components range from readily biodegradable to poorly biodegradable. Mineral oil itself has limited biodegradability when tested by method CEC-L-33-T-82. The components are not expected to be highly toxic to aquatic life. If released into water the product may deplete the oxygen supply to bottom dwelling organisms.
- SOIL:** If small quantities are absorbed in the upper soil layers, biodegradation may take place. Larger quantities may penetrate into anaerobic soil layers in which case some organic compounds (e.g. mineral oil) may persist. Some components will be capable of penetrating the soil to cause groundwater contamination.
- WGK CLASS:** WGK 0 or 1 – Self classification.

13. DISPOSAL CONSIDERATIONS

Contaminated packages must be completely emptied before sending away for laundering and re-use.
Empty containers must not be burned because of explosion hazard.
Do not allow runoff to sewer, waterway or ground.
All means of disposal should comply with local regulations and the Environmental Protection Act 1990.
Dispose of the product and container carefully and responsibly.

14. TRANSPORT INFORMATION

Not classified as hazardous by means of transportation.

15. REGULATORY INFORMATION

OCCUPATIONAL EXPOSURE

LIMITS: N/A

16. OTHER INFORMATION

Carriage of Dangerous Goods by Road & Rail (Classification, Packaging and Labelling) Regulations
Chemical (Hazards, Information and Packaging for Supply) Regulations
Control of Substances Hazardous to Health Regulations
Environmental Protection Act