

Pumps, Pumping Systems and Ancillaries

NEWTON CP250, CP400 & CP750

A Range of High Quality Clean Water Pumps

Rev 2.0 - 21 March 2016

PRODUCT CODE - P31, P32 & P33

1. Identification of the Substance/Mixture and of the Company/Undertaking

- Material name EPGEAR HE HD-20
- Preparation description Blend of highly of highly refined mineral oils and additives
- Identified uses Lubricating oil for the mechanical seals of the Newton CP250, CP2400 and CP750 Pumps
- Company Address Newton Waterproofing Systems, Newton House, 17-19 Sovereign Way, Tonbridge, Kent TN9 1RH
- Web www.newtonwaterproofing.co.uk
- Email address of the competent person info@newtonwaterproofing.co.uk
- Emergency telephone number +44 (0)1732 360 095
9am - 5pm (GMT) Mon - Fri

2. Hazards Identification

- Emergency Overview Caution A non-flammable, straw to yellow, low viscosity liquid material. Combustion can produce carbon oxides. Treat as an oil fire.
- Potential Chronic Health Effects There is no known effect from chronic exposure to this produce. Repeated or prolonged exposure is not known to aggravate medical conditions.
- Potential Acute Health Effects Repeated or prolonged exposure may cause skin or water for irritation. Inhalation of mists or vapors may cause upper respiratory tract irritation

3. Composition/Information on Ingredients

- Dangerous components Contains less than 0.5%(m/m)aryl amine and n-alkylated Benzotriazole, substances classified by the supplier as skin sensitizers(R43). Other substances are not expected to impart hazardous properties to this product.

4. First Aid Measures

- Eye Contact Avoid contact with eyes, Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids seek medical attention.
- Skin Contact Avoid contact with skin and eyes. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
- Inhalation Allow the victim to rest in a well ventilated area. Seek medical attention.
- Ingestion No known effect according to our database. If ingested, seek medical advice immediately and show the container or the label.

5. Fire and Explosion Data

- Flammability of the product Non-flammable

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- Auto-Ignition Temperature Not available
- Flash points OPEN CUP: 218°C (Cleveland)
- Flammable Limits Not available
- Fire Fighting Media and Instructions SMALL FIRE: Use DRY chemicals, CO₂, water spray or foam
LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet
Use self contained breathing apparatus equipped with full face piece operated in a positive pressure mode and full protective clothing. Treat as oil fire. Water may be used to keep containers cool
- Products of Combustion Carbon oxides (CO, CO₂), hydrogen chloride gas, and products of incomplete combustion
- Fire Hazards in Presence of Various Substances No specific information is available in our database regarding the flammability of this product in presence of various materials
- Special remarks on fire Hazards Some hydrogen chloride gas is evolved at room temperature. Large amounts of hydrogen chloride gas can evolve at elevated temperatures

6. Accidental Release Measures

- Small Spill Absorb with an inert material and place in an appropriate waste disposal container
- Large Spill Non-flammable material. Wear appropriate protective equipment. Stop spill at the source. Dike area of spill to prevent spreading. Pump liquid to salvage tank. Remaining liquid can be taken up with absorbent material and placed into containers. Treat like an oil spill. Containment booms can be used. Recover product if possible.

7. Handling and Storage

- Precautions Keep away from heat. Avoid contact with skin and eyes. Avoid breathing vapors or spray mists. Wear suitable gloves and eye/face protection.
- Storage Keep container tightly closed in a cool, well-ventilated place. Keep container dry and in cool, well ventilated place. Store away from extreme heat and away from oxidizing agents.

8. Exposure Controls/Personal Protection

- Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- Personal Protection Safety glasses, gloves (imperious), suitable protective clothing. Use NIOSH approved respirator if gas, fumes, mist or vapor is present.
- Personal Protection in a Large Spill Splash goggles, suitable protective clothing, boots, impervious gloves. Use NIOSH approved respirator if gas, fumes, mist or vapor is present.
- Exposure Limits Good industrial practice suggests observing the ACGIH-OSHA TWA exposure limit of 8-hour TWA 5mg/M³ 15-min STEL for oil mists.

9. Physical and Chemical Properties

- Physical state Liquid at ambient temperature

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• Odour	Characteristic mineral oil
• PH(1% solvent /water)	Not available
• Colour	Transparent-Brown
• Flash point	>218°C
• Specific Gravity	0.86 (water=1)
• Vapor Pressure	Expected to be less than 0.5 Pa at 20°C
• Vapor Density	>1(Air=1)
• Kinematic Volatility mm ² /s , at 20°C	86
• Auto-ignition temperature	Expected to be above 280°C
• Density , kg/m ³ at 15°C	872
• Flammability limit - upper	10% v/v
• Pour Point	>-6°C
• Flammability limit -lower	1% v/v
• Initial boiling point	Expected to be above 280°C
• Solubility in water	Negligible
• Evaporation rate	<1 compared to water

10. Stability and Reactivity

• Stability	The product is stable
• Instability Temperature	Not available.
• Conditions of Instability	No additional remarks
• Incompatibility with various substances	Strong oxidizers
• Corrosivity	Not considered to be corrosive for metals and glass according to our database
• Special Remarks on Reactivity	Product is incompatible with strong oxidizing agents.
• Special Remarks on Corrosivity	No additional remarks

11. Toxicological Information

• Routes of Entry	Eye contact, skin contact, ingestion. The hazard evaluation was based on data on similar products.
• Toxicity to Animals	Acute oral toxicity LD50 (Rat): expected to be above 2000mg/kg Acute oral toxicity LD50 (Rabbit): expected to be above 2000mg/kg
• Chronic Effects on Humans	Not available
• Other Toxic Effects on Humans	No additional remarks
• Special Remarks on Toxicity to Animals	No additional remarks
• Special Remarks on Chronic Effects on Humans	No additional remarks
• Special Remarks on Other Toxic Effects on Humans	No additional remarks

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12. Ecological Information

- Degradability Ecotoxicity Readily biodegradable(according to the modified Sturm test)
LC50 :>10g/l (fish – 96 hours)
EC50:>100mg/l (Daphnia magna – 48 hours)
>10g/l (Pseudomonas putida – 16hours)

13. Disposal Considerations

- Waste disposal Recycle if possible. Proper characterization before disposal is recommended. Follow appropriate Federal, state, and local regulation. Dispose at approved facilities.

14. Transport Information

- DOT Classification DRUM: Not regulated by DOT
BULK: Not regulated by DOT
- DOT Identification Number Not available
- Proper Shipping Name Not available
- Hazardous Substances Reportable Quantity Not available
- Packing group Not available
- Special provisions for transport Not available

15. Regulatory Information

- Inventory status EU: EINECS
Philippines: PICCS
USA : TSCA-CSI
China: SEPA/First import
Canada: DSL
Switzerland: " BAG T " No " Giftklasse ": 611500/ frei
Japan: ENCS(2-798
Australia: AICS
Korea: ECL(26371)

16. Other Information

- References Not available
- Other special considerations No additional remarks

DISCLAIMER

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Newton Waterproofing Systems shall not be held liable for any damage resulting from contact with or handling of the above product.

Newton Waterproofing Systems reserve the right to update product literature at any time. Please always refer to our [website](#) for the latest versions.