

Pumps, Pumping Systems and Ancillaries

NEWTON NP400

Clean Water Pump

Rev 4.0 - 22 March 2016

PRODUCT CODE - P2 & P3

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

- Material name: Cosmo Turbine 32 (Lubricating Oil)
- Application: Turbine oil. Lubricating oil for the NP400 Clean Water Pump
- 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

- EC No 1272/2008: This product does not meet the classification requirements of the current European legislation
- 67/548/EC or 1999/45/EC: This product is non-dangerous in accordance with Directive 1999/45/EC
- GHS Classification: This product is not hazardous
- POTENTIAL HEALTH EFFECTS: Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation
For further health effects/toxicological data, see Section 11

3. Composition/Information on Ingredients

Chemical name	CAS No.	EC No.	Weight %	DSD/DPD Classification	CLP Classification
Mineral Oil	Confidential	Confidential	100	Note L	Note L

- Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3. The producer of "Mineral Oil" declares that it contains less than 3% DMSO extractable material by IP-346

4. First Aid Measures

- Eyes: Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists
- Skin: Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin

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- Ingestion
If contamination of the mouth occurs, wash out thoroughly with water. Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice
- Inhalation
If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice
- Medical Advice
Treatment should in general be symptomatic and directed to relieving any effects. Aspiration of the product is unlikely to occur except as the result of ingestion, followed by vomiting or regurgitation in a partially or totally unconscious individual, when immediate effects are most likely to result from the aspiration of acidic stomach contents. If it should occur, transport casualty immediately to hospital

5. Firefighting Measures

- Use foam, dry powder or water fog. Do not use water jets
- Fires in confined spaces should be dealt with by trained personnel wearing approved breathing apparatus
- Water may be used to cool nearby heat exposed areas/objects/packages
- Avoid spraying directly into storage containers because of the danger of boil-over
- Combustion Products
Toxic fumes may be evolved on burning or exposure to heat. See Stability and Reactivity, Section 10 of this Safety Data Sheet

6. Accidental Release Measures

- Ensure good ventilation
- Evacuate all non essential personnel from the immediate area
- Contain and recover spilled material using sand or other suitable inert absorbent material
- It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated
- Spilled material may make surfaces slippery
- Protect drains from potential spills to minimise contamination. Do not wash product into drainage system
- In the case of large spills contact the appropriate authorities

7. Handling and Storage

- Handling Precautions
Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate.
Avoid frequent or prolonged skin contact with fresh or used product. Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times.
Whilst using do not eat, drink or smoke.
Wash hands thoroughly after contact.
Use disposable cloths and discard when soiled
- Fire Prevention
Product soaked rags, paper or material used to absorb spillages, represent a fire hazard, and should not be allowed to accumulate. Dispose of safely immediately after use.
Empty containers represent a fire hazard as they may contain some remaining flammable product and vapour. Never cut, weld, solder or braze empty containers

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- Storage Conditions Store under cover away from heat and sources of ignition. Containers must be properly labelled and kept closed when not in use. Empty packages may contain some remaining product. Retain hazard warning labels on empty packages as a guide to the safe handling, storage and disposal of empty packaging

8. Exposure Controls/Personal Protection

- Exposure Limits This product contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5mg per cubic meter, ACGIH STEL of 10mg per cubic meter
- Protective Clothing Wear face visor or goggles in circumstances where eye contact can accidentally occur. Change heavily contaminated clothing as soon as reasonably practicable; dry clean, launder and preferably starch before re-use. Wash any contaminated underlying skin with soap and water
- Respiratory Protection Respiratory protection is unnecessary, provided the concentration of vapour, mists or fumes is adequately controlled. The use of respiratory equipment must be strictly in accordance with the manufacturers' instructions and any statutory requirements governing its selection and use

9. Physical and Chemical Properties

- Physical state Liquid
- Colour Light yellow
- Odour Mild oil odour
- Density @ 15°C 0.871 g/cm³
- Flash point (COC) 220°C
- Pour point -15.0°C
- Solubility in water Insoluble
- Viscosity @ 40°C 32.2 mm²/s

10. Stability and Reactivity

- Conditions to Avoid Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use. Hazardous polymerisation reactions will not occur. This material is combustible
- Materials to Avoid Avoid contact with strong oxidizing agents
- Hazardous Decomposition Products Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions. Incomplete combustion/ thermal decomposition will generate smoke, carbon dioxide and hazardous gases, which will include carbon monoxide

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11. Toxicological Information

ACUTE TOXITY

- Oral The LD50 in rat is > 5000mg/kg.
- Dermal The LD50 in rabbit is > 5000mg/kg.

SKIN CORROSION/IRRITATION

Not expected to be a primary skin irritant. Based on data from components or similar materials.
Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis.
Symptoms may include redness, edema, drying, and cracking of the skin

SERIOUS EYE DAMAGE/ IRRITATION

Not expected to cause eye irritation. Based on data from components or similar materials

RESPIRATORY IRRITATION

If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.
Based on data from components or similar materials

RESPIRATORY OR SKIN SENSITIZATION

- Skin No data available to indicate product or components may be a skin sensitizer
- Respiratory No data available to indicate product or components may be a respiratory sensitizer

GERM CELL MUTAGENICITY

No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic

CARCINOGENICITY

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances in Annex 1.
The producer of "Mineral Oil" declares that it contains less than 3% DMSO extractable material by IP 346

REPRODUCTIVE TOXICITY

No data available to indicate either product or components at greater than 0.1% that may cause reproductive toxicity

STOT REPEATED EXPOSURE

No data available to indicate product or components present at greater than 0.1% that may cause reproductive toxicity

- Other information No other health hazards known

12. Ecological Information

- Ecotoxicity Not expected to be harmful to aquatic organisms
- Mobility Spillages may penetrate the soil causing ground water contamination
- Persistence and degradability This product is not expected to be readily biodegradable
- Bioaccumulative potential There is no evidence to suggest bioaccumulation will occur
- Aquatic toxicity May be harmful to aquatic organisms.
Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired

13. Disposal Considerations

Where possible, arrange for product to be recycled.
Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.
Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.
Dispose of product and container carefully and responsibly. Do not dispose of near ponds, ditches, down drains or onto soil

14. Transport Information

• IMDG/IMO	Not Regulated
• RID	Not Regulated
• ADR	Not Regulated
• ICAO	Not Regulated
• IATA	Not Regulated

15. Regulatory Information

• DSD/DPD	This product is non-dangerous in accordance with Directive 1999/45/EC
• Labelling symbol(s)	Not dangerous
• Labelling R-phrase(s)	No information available
• Labelling S-phrase(s)	No information available
• CLP	This product does not meet the classification requirements of the current European legislation
• Signal word	Not hazardous
• GHS signal word	Not hazardous

16. Other Information

- Compiled by: COSMO OIL LUBRICANTS CO., LTD. QUALITY ASSURANCE DEPT.
Shiba, Minatoku, Tokyo Japan
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