

MATERIAL SAFETY DATA SHEET

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

Supplier:	Pirtek (UK) Limited
Address:	199 Acton Park Estate, The Vale Acton, London W3 7QS
Contact numbers:	Telephone: 0208 749-8444 Fax: 0208 749-8333
E-mail address:	info@pirtek.co.uk
Product Name:	Pirtek Gear Oil EP Range
Identified use:	Industrial gear oil
Revision summary:	This Safety Data Sheet has been re-classified in compliance With EU 453/2010 and EC 1272/2008. It replaces revision 03 (December 2010)

Section 2 Hazards Identification

Classification of the mixture:

CLP Classification (EC No. 1272/2008):

A classification has taken place and this product is not classified according to EU legislation

Classification according to Directive (67/548/EEC and 1999/45/EC)

A classification has taken place and his product is not classified according to the above directive.

Label Elements

This product has no hazardous labelling requirements according to EU legislation

Other Hazards

Used oils may contain hazardous components which have the potential to cause cancer.

Section 3 Composition/Information on Ingredients

This product contains between 8 – 100% severely treated base oils.
Registration No. 01-2119480472-38-0013

This product does not contain any hazardous components

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Section 4 First Aid Measures

- Inhalation:** If inhaled, remove to fresh air. If symptoms appear get medical attention.
- Skin:** Wash skin as soon as possible with soap and water. Change contaminated clothing immediately and launder before re-use. Get medical advice if irritation persists.
- Eyes:** Wash out immediately with large amounts of water for at least 15 minutes. Remove any contact lenses. If irritation persists, seek medical advice.
- Ingestion:** Do not give anything by mouth. DO NOT INDUCE VOMITING unless directed by medical personnel. Seek medical attention if symptoms occur.
- First Aiders:** No action should be taken involving any personal risk or without suitable training.

Most important symptoms and effects:

See Section 11 for more detailed information on health effects and symptoms.

Indication of immediate medical attention and special treatment needed, if Necessary.

Eye contact: Immediately wash out with plenty of water.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media:

In case of fire use Alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing media:

Water jets.

Special hazards arising from the substance or mixture:

Packaged product in a fire or if heated may cause the container to burst because of the increase in pressure. Hazardous combustion products: combustion may yield smoke, carbon dioxide and carbon monoxide.

Advice for Fire-fighters

No action should be taken involving any personal risk or without suitable training. The area should be isolated by removing all persons in the vicinity of the fire. Fire fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Prevent run-off from fire control or dilution from entering streams, sewers or water courses.

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Section 6 Accidental Release Measures

- Personal Precautions:** Spilt product presents a significant slip hazard. Avoid exposure of the product to sources of ignition. See Section 8 for PPE, if dealing with any spillage Do Not Smoke, avoid inhaling vapours, and avoid contact with skin & eyes. Isolate immediate hazard area and keep unauthorised persons out. It may be necessary to wear respiratory equipment depending upon a risk assessment of the particular situation.
- Environmental Precautions:** Prevent entry into drains, sewers and water courses. The appropriate authorities should be notified if it has contaminated soil/vegetation. Spillages occurring on water should be removed from the surface using suitable absorbents. If necessary dispose of absorbed residues as described in section 13.
- Containment and clean up:** Soak up with inert absorbent and transfer to appropriate waste container. In case of spillage on water contain by a boom and collect by skimming or absorption. In case of soil contamination, remove contaminated soil for remediation or disposal in accordance with local regulations. Dispose of any residue and contaminated material via a licensed waste contractor. Do not use equipment in clean up procedure which may produce sparks.
- Reference to other sections:** See section 4 First Aid measures and section 10

Section 7 Handling and Storage

- Precautions for safe handling & Advice on Occupational hygiene:** No smoking, eating or drinking during handling. A high standard of personal hygiene should be maintained, Wash thoroughly after handling. See section 8 for advice on appropriate PPE.
- Storage:** Store in containers designed to contain this product and ensure the storage area is not close to heat or any sources of ignition. Drums should be stored on their sides preferably under cover, out of direct sunlight, in well ventilated conditions. Containers should be tightly closed and properly labelled. Empty containers retain residue and may be dangerous, do not pressurise, cut, weld braze, solder, drill, grind or expose such containers to heat, sparks, flame or other sources of ignition. All containers should be disposed of in an environmentally safe manner in accordance with the appropriate disposal of hazardous waste regulations.

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Section 8 Exposure controls/Personal Protection

Control Parameters: Workplace Exposure limits (WEL) have not been assigned.

Derived No effect Level: No DELs available

Predicted no effect Concentration: No PNEC available

Exposure Controls.

Appropriate Engineering Controls: Provide exhaust ventilation or other engineering controls if products are to be used in a confined space. All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after engineering controls and other forms of control measures have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. The final choice of PPE will depend upon a risk assessment.

Hygiene Measures: Wash hands, forearms and face thoroughly after using chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Respiratory protection: Unlikely to be required in normal use but ensure good ventilation. However, where concentration in air may be excessive a full assessment of the working conditions will be necessary.

Eye Protection: Chemical grade eye protection approved to BS EN 166 is recommended at all times.

Section 9 Physical and Chemical Properties

	46	68	100	150
Appearance	Amber	Amber	Amber	Amber
Odour	Slight	Slight	Slight	Slight
Boiling Point range (°C)	No Data	No Data	No Data	No Data
Pour Point (°C)	-25	-25	-22	-16
Flash Point (°C)	>200	>200	>200	>200
Auto flammability (°C)	No Data	No Data	No Data	No Data
Relative Density @ 15°C	878	886	893	896
Water Solubility	Insol.	Insol.	Insol.	Insol.
Viscosity Index	103	97	96	93
Viscosity @ 40°C mm ⁻¹	46.1	69.2	102.1	151.1

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	220	320	460	680	1000
Appearance	Amber	Amber	Amber	Amber	Amber
Odour	Slight	Slight	Slight	Slight	Slight
Boiling Point range (°C)	No Data	No Data	No Data	No Data	No Data
Pour Point (°C)	-16	-15	-12	-9	-9
Flash Point (°C)	>200	>200	>200	>200	>200
Auto flammability (°C)	No Data	No Data	No Data	No Data	No Data
Relative Density @ 15°C	899	901	902	921	930
Water Solubility	Insol.	Insol.	Insol.	Insol.	Insol.
Viscosity Index	100	102	103	92	102
Viscosity @ 40°C mm ⁻¹	220.7	314.2	420.5	679.8	994

Section 10 Stability and Reactivity

Reactivity:	No dangerous reactions known
Conditions to Avoid:	Ignition sources, excessive heat, open flames.
Incompatible materials:	Oxidising materials
Chemical Stability:	The products are chemically stable under normal conditions of use.
Hazardous Decomposition Products:	Thermal decomposition may lead to the formation of a fumes, smoke, Carbon Dioxide and Carbon monoxide.
Possibility of Hazardous Reactions:	None Known

Section 11 Toxicological Information

Information on Toxicological Effects.

Acute Toxicity:	Minimally toxic based on test data for structurally similar Materials. Tests equivalent or similar to OCED guideline 403
Exposure Routes:	Dermal, Inhalation. Vapour inhalation under normal ambient conditions is not normally a problem.
On Eyes:	May cause transient irritation, but no known significant effects or critical hazards.
On Skin:	Unlikely to cause harm on brief or occasional contact. No known significant effects or critical hazards. However, prolonged and repeated contact can defat the skin and lead to irritation and/or Dermatitis
Sensitisation:	No evidence of skin or respiratory sensitisation.
By Inhalation:	Low volatility makes inhalation unlikely at ambient temperatures.

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By Ingestion: May cause nausea, vomiting and diarrhoea.

Potential Chronic Health effects

Used Gear oils may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types of used engine oils must therefore be avoided and a high standard of personal hygiene maintained.

Carcinogenicity: Not expected to cause cancer based on test data for similarly materials. Test equivalent to OECD Guideline 471, 473, 474

Mutagenicity: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Development effects: No known significant effects or critical hazards.

Section 12 Ecological Information

Toxicity:

Environmental hazards: Not expected to be harmful to aquatic organisms

Persistence: Expected to be inherently biodegradable

Bio accumulative potential: Has the potential to bio accumulate, however, metabolism or physical properties may reduce the bio concentration or limit the bioavailability.

Mobility: Low solubility and floats and is expected to migrate from water to land. Expected to partition to sediments.

Results of PBT & vPvB assessment:

PBT: No PBT Chemicals present

vPvB: No vPvB Chemicals present

Other adverse effects:

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

PBT – (Persistent, Bio accumulative and Toxic)

vPvB – (Very persistent and very bio accumulative)

Section 13 Disposal Considerations

Methods of disposal:

Place used and contaminated materials/packaging in suitable containers. Dispose of the waste in accordance with Duty of Care regulations (Environmental Protection Act 1990-Section 34(7)) using a licensed waste disposal company. The product is subject to

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The Hazardous Waste Regulations 2005. Waste packaging should be recycled if feasible before incineration or landfill are considered.

The user should be aware that the conditions of use may affect the waste classification after use. Refer to the List of waste (England) Regulations 2005 for Waste nomenclature.

Special Precautions:

This material and its container must be disposed of in a safe way. Never weld, solder, or braze empty containers. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers .

Section 14 Transport Information

Classification for transport: Not classified as hazardous for transport.

UN Number:	Not regulated	Packaging Group:	N/A
Shipping Name:	Not regulated	Marine Pollutant:	NO
IMDG Class:	Not regulated	ICAO/IATA:	N/A
ADR/RID:	Not regulated		

Section 15 Regulatory Information

Health, Safety & Environmental Regulations pertaining to the product:

EC 1272/2008 – Classification, Labelling and Packaging of Substances & Mixtures

EN 166:2002 – Eye Protection

EN 529:2005 – Respiratory Protective Devices

BS EN 374-1:2003 Protective gloves against chemicals and micro-organisms

Workplace Exposure Limits, (EH40/2005), Control of Substances Hazardous to Health

Directive 91/689/EEC on Hazardous Waste (European Waste codes)

Directive 2000/76/EC on the incineration of waste

Directive 1999/31/EC on Landfill of waste

No formal chemical safety assessment has been carried out.

16 Other information

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for any applications other than that as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

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If you are an employer, it is your duty to inform your employees and others who may be affected by any of the hazards described in this sheet and of any precautions which should be taken.

Full text of H Statements: None

Full text R phrases: None

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