

SAFETY DATA SHEET

Revision: 31 May 2011

SDS Number: A4024

Version number: 1

Section 1: Identification of the substance/mixture and company/undertaking

1.1 Product identifier	ATF SP III
1.2 Use	Automatic transmission fluid.
1.3 Details of the supplier of the safety data sheet	JX Nippon Oil & Energy Europe Limited. 4th Floor, 4 Moorgate, London EC2R 6DA, U.K.
1.4 Telephone number	+44-20-7186-0400
1.5 FAX number	+44-20-7186-0419

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Aquatic Chronic 3, H412.

Classification according to Directive 1999/45/EC R52-53

2.2 Label elements

Signal word	None
Hazard statements	Harmful to aquatic life with long lasting effects
Precautionary statements	
prevention	Avoid release to the environment
response	None
storage	None
disposal	Dispose of contents/container to incineration or recycling.
Supplemental information	None

2.3 Other hazards The hazardous properties of this product have not been well investigated, so handle and dispose of with care.

Section 3: Composition/information on ingredients

3.2 Mixtures

<i>Declarable components^a</i>	<i>Conc. (wt%)</i>	<i>EC No.</i>	<i>CAS No.</i>	<i>Reg. No.</i>	<i>Classification^b</i>	
					67/548/EEC	1272/2008
Alkyl phosphites	<1	424-820-7	NA	NA	Xn (harmful), R21; C (corrosive), R34; N (dangerous for the	Acute Tox 4, H312; Skin Corr 1B, H314; Aquatic Chronic 1,

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environment), R50-53 H410

Other components

Base oil - >75
unspecified^c

Additives <25

^a NA: not available.^b See Section 16 'Other information' for full text of the R- and H-phrases, if applicable.^c DMSO extract <3% by IP346, so classification as carcinogen does not apply.

Section 4: First aid measures

4.1 Description of first aid measures

Inhalation	If inhalation of the product is suspected, remove exposed person to fresh air, and give rest. Get prompt medical attention if patient feels unwell.
Skin	Immediately remove contaminated clothing and wash affected area thoroughly with soap and water. If irritation or rash occurs, or contamination is severe, get medical attention. Launder contaminated clothing before re-use.
Eye	In case of contact with eyes, irrigate with water for 15 minutes, occasionally lifting eyelids. Remove any contact lenses if easy to do. Get prompt medical attention if irritation occurs.
Ingestion	If swallowed, wash out mouth thoroughly and give water to drink. Get immediate medical attention. Do not induce vomiting, unless instructed by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed Not available.

4.3 Indication of any immediate medical attention and special treatment needed Treat symptoms as they occur.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable	Water spray, carbon dioxide, dry chemical, foam, and sand are compatible with the product.
Unsuitable	Product will float on water, and water jets may cause spattering and spread fire.

5.2 Special hazards arising from the substance or mixture The product is not classified as flammable, but will burn if involved in a fire, producing smoke, and toxic fumes, gases and vapours.

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5.3 Advice for firefighters Remove containers from fire or cool them with water spray. Firefighters should wear an approved self-contained breathing apparatus and full protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures For large-scale spills, ensure full personal protection is worn. Keep unauthorised personnel from the spillage area. Ventilate area. Product may produce a slip hazard. Follow prescribed procedures for responding to large spills and reporting to authorities.

6.2 Environmental precautions Prevent leakage of product into water-courses or drainage system by diking with sand or other absorbent material.

6.3 Methods and material for containment and cleaning up Stop the source of leak or release. Small spills can be mopped up with dry cloth. Collect larger spill using techniques such as sorbent materials or pumping. Collect spill and place in suitable container for disposal. Wash contaminated surfaces with water and detergent, and collect washings for safe disposal.

6.4 Reference to other sections For recommended personal protective equipment, see Section 8. For disposal considerations, see Section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling Avoid skin and eye contact with the product, and inhalation of vapours, using measures as described in Section 8. Use only in a well ventilated area. Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities Avoid contamination of the product with water. Do not store for long periods at high temperature. Store in a cool, dry, well-ventilated place, away from direct sunlight. Keep container closed when not in use.

7.3 Specific end use(s) Not available.

Section 8: Exposure controls/personal protection

8.1 Control parameters

EU limit values	None
UK limit values	None
Other: human health (DNELs, DMELs)	Not available.
Other: environmental (PNEC)	Not available.

8.2 Exposure controls

Engineering controls	No special ventilation is usually necessary. Good general ventilation is recommended. However, if operating conditions (eg heating,
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		spraying, or use in confined space) create high airborne concentrations, local exhaust ventilation may be needed.
Personal protective equipment		For professional use, the need for personal protective equipment should be based on a workplace risk assessment for the particular use. Avoid skin and eye contact by wearing chemical resistant gloves (eg nitrile or Viton) and safety goggles. Where more extensive contact may occur, wear protective clothing (eg overalls, boots). Wear respiratory protective equipment if exposure to mists or vapours is likely, eg through spraying or heating. PPE should be to European (EN) standards. Consult manufacturers concerning breakthrough times.
Environmental exposure controls		Not available.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Red liquid
Odour	Slight
Odour threshold	Not available
pH	Not available
Melting/freezing point	-45 °C (pour point)
Initial boiling point/range	Not available
Flash point	224 °C (Cleveland Open Cup)
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable
Flamm. or expl. limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	0.846
Solubilities	Insoluble in water
Partition coeff. (K_{ow})	Not available
Auto-ignition temp.	Not available
Decomposition temp.	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

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9.2 Other information Not available

Section 10: Stability and reactivity

10.1 Reactivity	Not available.
10.2 Chemical stability	Stable under recommended storage and handling conditions.
10.3 Possibility of hazardous reactions	No hazardous polymerisation.
10.4 Conditions to avoid	Prolonged exposure to high temperature and contamination with water.
10.5 Incompatible materials	Acids, oxidizing agents.
10.6 Hazardous decomposition products	Not available.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	The product is not expected to meet the criteria for classification.
Skin corrosion/irritation	The product is not expected to meet the criteria for classification as a skin irritant.
Serious eye damage/irritation	The product is not expected to meet the criteria for classification as an eye irritant.
Respiratory or skin sensitisation	No ingredients are classified as respiratory or skin sensitisers.
Germ cell mutagenicity	No ingredients are classified for mutagenic effects.
Carcinogenicity	No ingredients are classified for carcinogenic effects.
Reproductive toxicity	No ingredients are classified for reproductive effects.
STOT-single exposure	Not classified due to lack of data.
STOT-repeated exposure	Not classified due to lack of data.
Aspiration hazard	Not classified due to lack of data.

Section 12: Ecological information

12.1 Toxicity	One ingredient present at low levels has been identified as being very toxic, and the product is not expected to meet the criteria for classification (Aquatic Chronic 3).
12.2 Persistence and degradability	One ingredient present at low levels has been identified as having long-term effects in the environment.

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12.3 Bioaccumulative potential	Not available.
12.4 Mobility in soil	Not available.
12.5 Results of PBT and vPvB assessment	Not available.
12.6 Other adverse effects	The product is water-insoluble and oil-based, and may form a sheen on water

Section 13: Disposal considerations

13.1 Waste treatment methods	<p>Incineration or recycling are recommended for disposal of this product. This product is not suitable for landfill or disposal via the drains. Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste. General EU requirements are given in Directive 2008/98/EC, including procedures for the disposal of waste oils.</p> <p>Wastes of this product are covered in the European Waste Catalogue, suggested code 13 02 05, mineral-based, non-chlorinated engine, gear and lubricating oils.</p> <p>The hazards of the waste may differ from that of the product, and it is the responsibility of the waste generator to identify hazards and dispose wastes in compliance with applicable regulations.</p> <p>Containers of this material may be hazardous when emptied due to product residue. All hazard precautions given in this data sheet must be observed for empty containers.</p>
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Section 14: Transport information

14.1 UN Number	Not classified as dangerous goods according to UN criteria.
14.2 UN proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environmental hazards	Not classified as environmentally hazardous.
14.6 Special precautions for user	Not available.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	UK: Control of Substances Hazardous to Health Regulations 2002 (COSHH). Workplace Exposure Limits EH40/2005, with 2007 supplement, Health and Safety Executive.
15.2 Chemical safety assessment	Not available.

Section 16: Other information

Revisions	This SDS is the first version in EU format.
Abbreviations	DNEL, derived no-effect level; DMEL, derived minimum effect level; PBT, persistent, bioaccumulative, and toxic; PNEC, predicted no-effect concentration; STOT RE, specific organ toxicity repeated exposure; STOT SE, specific target organ toxicity single exposure; vPvB, very persistent, very bioaccumulative.
References	Annex VI of Regulation 1272/2008 on <i>Harmonised Classification and Labelling for Certain Hazardous Substances</i> . Existing Chemical Substances Information System (ESIS) available at the European Chemical Bureau website: http://ecb.jrc.ec.europa.eu/esis/ . Supplier safety data sheets. Classification and labelling of petroleum substances according to the EU dangerous substances directive (CONCAWE recommendations – July 2005). CONCAWE is the European Oil Companies' Association for Environmental, Health and Safety in Refining and Distribution.
Basis of classification	The mixture is self-classified on the basis of available information on the ingredients.
List of R-phrases	R21, harmful in contact with skin; R34, causes burns; R50, very toxic to aquatic organisms; R52, harmful to aquatic organisms; R53, may cause long-term adverse effects in the aquatic environment.
List of hazard statements	H312: Harmful in contact with skin; H314: Causes severe skin burns and eye damage; H410: Very toxic to aquatic life with long lasting effects; H412: Harmful to aquatic life with long lasting effects.
Training advice	Not available.

Disclaimer: Safety data sheets are provided as reference information on the safe handling of hazardous or harmful materials to companies using such materials. When referring to this data sheet, companies should remember that they must take responsibility for implementing the proper measures for their own particular situations. This data sheet is not a guarantee of safety.