

Material Safety Data Sheet

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Infosafe No. CASL2 Issue Date : July 2005 ISSUED by CASTROL
Product Name : TXT 505 01

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name TXT 505 01
Product Code 119052
Company Name Castrol Australia Pty. Limited (ABN 87 008 459 407)
Address 132 McCredie Road, Guildford,
NSW. 2161 Australia
Emergency Tel. 1800 638 556
Telephone/Fax Number Tel: (02) 9795 4800 Fax: (02) 9795 4910
Recommended Use Synthetic automotive crankcase engine lubricant.

Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency . See 'Medical Advice' under First-Aid Measures Section 4 of this Safety Data Sheet.

Other Information Castrol Technical Help Line 1300 557 998 (Local call)

2. HAZARDS IDENTIFICATION

Hazard Classification Not classified as hazardous
Not classified as hazardous according to NOHSC criteria.
Not classified as a dangerous good according to the ADG Code.

Risk Phrases
Not applicable

Safety Phrases
Not applicable

Risk Phrase(s) Not classified as hazardous

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition Synthetic base stock. Highly refined base stock Proprietary performance additives. No component of this product at levels greater than 0.1% is identified as a carcinogen by the International Agency for Research on Cancer (IARC).

Ingredients

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Ingredients determined not to be hazardous	Not required	100 %

4. FIRST AID MEASURES

Inhalation Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a facemask if breathing is difficult. If irritation develops and persists, seek medical attention.

Ingestion DO NOT induce vomiting. Immediately wash out mouth with water. Seek medical attention.

Skin Remove contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard . If irritation develops, seek medical attention.

Eye If contact with the eye(s) occur, wash with copious amounts of water, holding eyelids(s) open. Take care not to rinse contaminated water into the non-effected eye. If irritation develops and persists, seek medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

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Advice to Doctor Treatment should in general be symptomatic and directed to relieving any effects.
Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency . Injuries may not appear serious at first but within a few hours tissue becomes swollen discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Carbon dioxide, foam or dry chemical.
Hazards from Combustion Products Do NOT use water jets. Cool fire exposed containers with water spray.
Specific Hazards Under fire conditions this product may emit toxic and/or irritating fumes including oxides of carbon.
Hazchem Code Combustible C2 liquid. This product will burn if exposed to fire.
Precautions in connection with Fire None Allocated
Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing should be worn to minimise exposure.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert, non combustible, absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Precautions for Safe Handling Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie . washing hands prior to eating, drinking or going to the toilet. Build-up of mists or vapours in the working atmosphere must be prevented.
Conditions for Safe Storage Store in a cool, dry, well-ventilated area away from sources of ignition. This product should be stored away from foodstuffs and strong oxidising agents. For information on the design of the storeroom reference should be made to Australian Standard AS1940, The storage and handling of flammable and combustible liquids. Reference should also be made to any relevant Commonwealth, State or Territory regulations.
Corrosiveness Not corrosive to aluminium.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC), however NOHSC recommend an exposure standard on 5 mg/m³ for oil mist for an 8 hour time weighted average (TWA) .
Engineering Controls Natural ventilation should be sufficient, however where vapours or mists are generated, the use of a local exhaust ventilation system (drawing vapours/ mists away from workers breathing zone) is recommended.
Respiratory Protection If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

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Eye Protection	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.
Other Information	No biological limit allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Amber coloured oily liquid
Melting Point	Not available
Boiling Point	Not available.
Solubility in Water	Insoluble
Specific Gravity	0.857 @ 15°C
pH Value	Not applicable.
Vapour Pressure	Not applicable
Vapour Density (Air =1)	Not applicable
Flash Point	226°C (Penskey Marten Closed Cup)
Flammability	Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purposes of storage and handling, in accordance with the requirements of AS1940. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available.
Flammable Limits - Upper	Not available.
Kinematic Viscosity	95.0 cSt @ 40°C 14.4 cSt @ 100°C
Other Information	Auto-ignition temperature >250°C

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition and combustion produce noxious fumes containing oxides of carbon.
Hazardous Reactions	Hazardous reaction with strong oxidising agents.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this material.
Inhalation	Inhalation of product vapours or mists may cause irritation to the mucous membrane and upper airways, where material is heated inhalation of product vapours or mists may cause headache, dizziness and nausea.

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Ingestion	May cause irritation of the gastrointestinal system. Symptoms may include nausea, vomiting and diarrhoea.
Skin	May cause irritation in contact with the skin, which may result in redness and itchiness, possibly leading to dermatitis.
Eye	May cause eye irritation, resulting in redness, stinging and lachrymation.
Chronic Effects	Prolonged or repeated contact with this material may result in skin irritation possibly leading to dermatitis.

12. ECOLOGICAL INFORMATION

Ecological Information	No ecological data is available for this material.
Ecotoxicity	No data available for this specific product.
Persistence / Degradability	This product is inherently biodegradable.
Mobility	Spillages are unlikely to penetrate the soil.
Bioaccumulative Potential	No data available for this specific product.
Environ. Protection	Prevent this material from entering the environment.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to federal, E.P.A. and state regulations. Assure conformity with all applicable regulations.
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14. TRANSPORT INFORMATION

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
U.N. Number	None Allocated
Proper Shipping Name	None Allocated
DG Class	None Allocated
Hazchem Code	None Allocated
Packing Group	None Allocated

15. REGULATORY INFORMATION

Poisons Schedule	Not Scheduled
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16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS creation: July 2005

Contact Person/Point For information concerning details on this Safety Data Sheet contact your local Technical Services Manager on the following numbers:-
Sydney: (02) 9795 4800
Melbourne: (03) 9268 4200
Brisbane: (07) 3850 9300
Adelaide: (08) 8347 6200
Perth: (08) 9268 9288

Castrol Technical Help Line 1300 557 998 (Local call)

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24 HOUR EMERGENCY CONTACT

1800 638 556

24 HOUR EMERGENCY CONTACT (New Zealand Only)

0800 154 666

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