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Infosafe No. 5CA12 Issue Date: February 2004 ISSUED by CASTROL

Product Name: MOLUB ALLOY 491 C DRY FILM LUBRICANT

Not classified as hazardous according to criteria of NOHSC

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name MOLUB ALLOY 491 C DRY FILM LUBRICANT

Product Code 114063

Product Use Industrial applications.

Company Name Castrol Australia Pty. Limited (ABN 87 008 459 407)

Address 132 McCredie Road, Guildford,

NSW, 2161

**Emergency Tel.** 1800 638 556

**Telephone** Tel: (02) 9795 4800 Fax: (02) 9795 4910

Number/Fax

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

# 2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on

Water based product with additives.

Composition

Ingredients Name CAS Proportion

Ingredients Determined Not required 100 %

Not To Be Hazardous

### 3. HAZARDS IDENTIFICATION

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

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

# 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

 $\verb"attention".$ 

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.

Medical advice must be obtained urgently if product under high pressure has

been injected through the skin.

 $Eye \hspace{1.5cm} \hbox{ If contact with the eye(s) occur, wash with copious amounts of water, holding } \\$ 

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.

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.

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### 5. FIRE FIGHTING MEASURES

Extinguishing Media Small fire: Use dry chemical powder.

Large fire: Use water spray, fog or foam.

Do NOT use water jets. Cool fire exposed containers with water spray.

Specific Hazards Non flammable. Subsequent to evaporation of aqueous component, product may

burn if involved in fire.

Hazardous Oxides of carbon and sulphur. Some metallic oxides and ammonia.

**Combustion Products** 

Precautions in Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing

#### 6. ACCIDENTAL RELEASE MEASURES

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

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 in the working atmosphere must be prevented.

Storage Store in a cool, dry, well-ventilated area, out of direct sunlight. Store away

from incompatible materials. Protect from frost.

# 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits No value assigned for this specific material by the Australian National

Occupational Health and Safety Commission (NOHSC). However, the recommended Exposure Standards for oil mist are listed below. As with all chemicals,

exposure should be kept to the lowest possible levels.

SUBSTANCE TWA STEL

ppm mg/m³ ppm mg/m³

Oil mist, mineral - 5 - 10

Respiratory Avoid breathing of vapours or mists. Where ventilation is inadequate and Protection vapours or mists are generated the use of an approved respirator with organic

vapour/particulate filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended; however final choice of appropriate breathing protection is dependant 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.

Eye Protection Safety glasses or face shield as appropriate. Final choice of appropriate

eye/face protection will vary according to individual circumstances including methods of handling or engineering controls as determined by appropriate risk assessments. Eye protection should conform with Australian/New Zealand

Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

vary according to individual circumstances, including methods of handling or engineering controls as determined by appropriate risk assessments. Refer to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

Body Protection Wear appropriate protective clothing including chemical resistant apron where

clothing is likely to be contaminated.

 $\textbf{Eng. Controls} \qquad \qquad \textbf{Where vapours or mists are generated and exposure standards are exceeded, the} \\$ 

use of respiratory protection, or a local exhaust ventilation system is

recommended.

Other Information No biological limit allocated.

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# 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Black paste.

Odour Ammoniacal odour.

Boiling Point Not available.

Solubility in Water Partially soluble in cold water.

Easily soluble in hot water.

Specific Gravity 1.3-1.5

(H2O=1)

Vapour Pressure Not available.
Flash Point Not applicable.

Flammability Not flammable. Not combustible.

Flammable Limits Not applicable.

LEL

Flammable Limits Not applicable.

UEL

## 10. STABILITY AND REACTIVITY

Stability Stable under normal conditions of storage and handling.

Hazardous Will not occur.

Polymerization

Materials to Avoid Oxidising agents, metals and acids.

Hazardous Oxides of carbon and sulphur. Some metallic oxides and ammonia.

Decomposition

**Products** 

Hazardous Reaction Hazardous reaction with oxidising agents.

Conditions to Avoid Heat, direct sunlight, open flames or other sources of ignition.

# 11. TOXICOLOGICAL INFORMATION

Toxicology No toxicity data is available for this product.

Information

is heated and/or is used in poorly ventilated areas. Symptoms may include

headache, dizziness and nausea.

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

Environ. Protection Prevent this material from entering the environment.

Mobility No data available for this specific product.

Persistence/ No data available for this specific product.

Degradability

Bioaccumulation

No data available for this specific product.

Ecotoxicity

No data available for this specific product.

# 13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

# 14. 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

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**Proper Shipping** 

None Allocated

Name

DG Class None Allocated Hazchem Code None Allocated Packing Group None Allocated

# 15. REGULATORY INFORMATION

Poisons Schedule Not Scheduled

#### 16. OTHER INFORMATION

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)

IMPORTANT DISCLAIMER

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24 HOUR EMERGENCY CONTACT

1 800 638 556

24 HOUR EMERGENCY CONTACT (New Zealand Only)

0800 154 666

SDS History MSDS Review: February 2004.

MSDS Supersedes: February 1999.

...End Of MSDS...