

Material Safety Data Sheet

Page: 1 of 5

Infosafe No.	5CA1A	Issue Date : February 2004	ISSUED by CASTROL
--------------	-------	----------------------------	-------------------

Product Name : **MOLUB ALLOY 823-0 FOOD MACHINERY GREASE**

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name MOLUB ALLOY 823-0 FOOD MACHINERY GREASE
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 Names	<u>Name</u>	<u>Product Code</u>
--------------------	-------------	---------------------

MOLUB ALLOY 823-0 FM GREASE

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Contains mineral oil and additives.

Composition

Ingredients

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
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 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 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-affected eye. If irritation develops and persists, seek medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

Material Safety Data Sheet

Infosafe No.	5CA1A	Issue Date : February 2004	ISSUED by CASTROL
--------------	-------	----------------------------	-------------------

Product Name : **MOLUB ALLOY 823-0 FOOD MACHINERY GREASE**

Not classified as hazardous according to criteria of NOHSC

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

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 Combustible substance. Fire-exposed container may rupture/explode.

Hazardous Combustion Products Oxides of carbon.

Precautions in connection with Fire Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing should be worn to minimise exposure.

6. ACCIDENTAL RELEASE MEASURES

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

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.
Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurise or expose to open flame or heat. Keep container closed and bung in place.

Storage Combustible substance for storage and handling purposes. Store in a cool, dry, well-ventilated area, out of direct sunlight. Avoid sparks, flames, and other ignition sources. Store away from incompatible materials such as materials that support combustion (oxidising materials). Reference should be made to Australian Standard AS1940- The storage and handling of flammable and combustible liquids.

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/m ³	ppm	mg/m ³
Oil mist, mineral	-	5	-	10

Material Safety Data Sheet

Infosafe No.	5CA1A	Issue Date : February 2004	ISSUED by CASTROL
--------------	-------	----------------------------	-------------------

Product Name : **MOLUB ALLOY 823-0 FOOD MACHINERY GREASE**

Not classified as hazardous according to criteria of NOHSC

Respiratory Protection	Avoid breathing of vapours or mists. Where ventilation is inadequate and 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.
Hand Protection	Impervious gloves recommended. Final choice of appropriate glove type will 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.
Eng. Controls	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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off white grease.
Odour	Slight petroleum odour.
Boiling Point	Not available.
Solubility in Water	Insoluble in cold water.
Specific Gravity (H₂O=1)	0.9
pH Value	Not applicable.
Vapour Pressure	Not available.
Flash Point	Approx 249°C (COC)
Flammability	Combustible substance. Remove all sources of heat and ignition.
Flammable Limits LEL	Not available.
Flammable Limits UEL	Not available.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and handling.
Hazardous Polymerization	Will not occur.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Oxides of carbon, nitrogen and sulphur.
Hazardous Reaction	May react with strong oxidising agents.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No component of this product listed at levels greater than 0.1% as a carcinogen by ACGIH, IARC or EC.
-------------------------------	---

Material Safety Data Sheet

Page: 4 of 5

Infosafe No.	5CA1A	Issue Date : February 2004	ISSUED by CASTROL
--------------	-------	----------------------------	-------------------

Product Name : **MOLUB ALLOY 823-0 FOOD MACHINERY GREASE**

Not classified as hazardous according to criteria of NOHSC

Inhalation	May cause irritation to the mucous membrane and upper airways, where material is heated and/or is used in poorly ventilated areas. Symptoms may include headache, dizziness and nausea. High vapour concentrations may lead to unconsciousness. Prolonged and repeated exposure may also cause chemical pneumonitis.
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 / Degradability	No data available for this specific product.
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
Proper Shipping Name	None Allocated
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

All reasonable care has been taken to ensure that the information and advice contained herein are accurate at the time of printing. However, Castrol accepts no tortious or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

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...

Material Safety Data Sheet

Page: 5 of 5

Infosafe No.	5CA1A	Issue Date : February 2004	ISSUED by CASTROL
--------------	-------	----------------------------	-------------------

Product Name : **MOLUB ALLOY 823-0 FOOD MACHINERY GREASE**

Not classified as hazardous according to criteria of NOHSC
