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MATERIAL SAFETY DATA SHEET (MSDS)

NAME: KAL-GARD 450/LF AD Dry Lubricant Coating (No Added Lead)

1.IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name: KAL-GARD AD / LF (No Added Lead)
Code: KG 450/LF
CAS No: EC No: EC label: ECOCHEM REF: 92.60.01
UN No: 1992 EAC: 131 HAZCHEM: 3WE
HAZARD RATING: SAPMA HHR: 2 H E
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2.COMPOSITION/INFORMATION ON INGREDIENTS

EC Classification: FT R11, 36/37,20,22, 40, 61 S2,9,16, 24/25, 33
CONTAINS MOLYBDENUM AND ANTIMONY SALTS

Hazardous and/or Other Related Components.

METHYL ETHYL KETONE >30 % EEC Labels: F XI R11,36/37 OEL 590 mg RL
ISOPROPYL ALCOHOL <10 % EEC Labels: F R11, OEL 980 mg RL S
ANTIMONY OXIDE < 5 % EEC Labels: XN R40, OEL 0.5 Sb mg Sb

3.HAZARDS IDENTIFICATION

SAPMA Rating: 2.Moderate- Temporary or minor injury possible even if treatment is given
FIRE: Highly flammable with toxic fumes.
EXPLOSION: Containers can burst in a fire. Can form explosive vapour/air mixture.
Static discharge hazard!
INHALATION: Irritating, narcotic, Can affect CNS.
SKIN: Harmful by contact.
EYES: Irritating.
INGESTION: TOXIC. Cumulative effects possible
May induce effects on reproduction / fertility. Cat 1 (EEC/CHIP 2)
Medium to long term environmental effects. Contain, collect and remove.

4.FIRST AID MEASURES

INHALATION: Move to fresh air. In case of discomfort, seek medical attention.
SKIN: Use hand cleaner / soap and water. Remove contaminated clothing.
If any discomfort, seek medical attention.
EYES: Rinse immediately with plenty of water. Seek medical advice.
INGESTION: Wash mouth with water. Do NOT induce vomiting. Refer IMMEDIATELY TO DOCTOR.

5.FIRE FIGHTING MEASURES

FIRE RATING: 1. Serious - F.Pt.:< 23deg.C Highly Flammable with toxic fumes.
Containers can burst in fire. Can form explosive vapour/air mixture.
Static discharge hazard! Foam. Dry powder. Fog to cool and control.
Do NOT use water jets. Cool containers in case of fire.

6.ACCIDENTAL RELEASE MEASURES

See also data under paras. 5, 8, and 13.
Contain and collect. Use INERT absorbent NOT sawdust. Keep out of drains and sewers.
Keep waste separate for disposal as hazardous waste.

The information contained herein is given in good faith but without guarantee in respect of accuracy.
No responsibility is accepted for errors or omissions or the consequences thereof.
These recommendations were extracted from the EcoChem database using the HAZMAN programme.
For further information, contact Les Fisher on +27-31-2660523

7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.
No open flames. No smoking. No sparks. Keep containers cool.
Avoid free fall of liquid - use earthing.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

OEL TWA : Mixture. See Section 2.
SAPMA Rating: 2HE PPE: Respirator and Eye Protection.
INHALATION: In case of insufficient ventilation, use suitable respiratory protection.
SKIN: Avoid direct contact. Use barrier cream and impervious gloves.
EYES: Use face shield or goggles. Avoid direct contact.
INGESTION: Observe the rules of hygiene- Wash before eating, drinking or smoking.

* Appropriate hand protection and protective clothing must always be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

Class: Coating / Dry Lubricant. Appearance: LIQUID Odour: SHARP
Specific Gravity: ca 1.0
Flash Point: < 23 C
Flammability: 1.Serious. F.Pt. < 23 deg.C Highly flammable.
Solubility: Water: INSOLUBLE

10. STABILITY AND REACTIVITY

STATIC HAZARD: Prone to ignite by static discharge

11. TOXICOLOGICAL INFORMATION

May induce effects on reproduction / fertility. Cat 1 (EEC/CHIP 2)
LD50 Oral: n/q mg. LD50 Skin: mg. LC50 Inhalation: mg.

12. ECOLOGICAL INFORMATION

Environmental hazard: Medium to long term environmental effects. Contain, collect and remove.

13. DISPOSAL CONSIDERATIONS

Waste / packaging containers contaminated with lead. Isolate. Use authorised waste contractors.

14. TRANSPORT INFORMATION

U.N.No: 1992 Packaging Group: II HAZCHEM Code: 3 W E
IMO Class: 3.2 IMO Lab 2: EA CODE: 131

15. REGULATORY INFORMATION

EEC Labels: TOXIC Highly Flammable R11
R 20/22: Harmful by inhalation and if swallowed.
R36/37: Irritating to eyes and respiratory system.
R40: Possible risk of irreversible effects.
S9: Keep containers in a well ventilated space.
S16: Keep away from sources of ignition - no smoking.
S24/25: Avoid contact with skin and eyes.
S29: Do not empty into drains
S33: Take precautionary measures against static discharges.

16. OTHER INFORMATION

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.
CONTAINS MOLYBDENUM AND ANTIMONY

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