

1. IDENTIFICATION:

PRODUCT NAME: KAL-GARD 2240C DILUTED
PRODUCT CODE: PKG2240CD
PRODUCT USE.: Low Friction Coating
Manufacturer:

HMIS CODES H F R P
2*3 0 G

EVERLUBE PRODUCTS
100 COOPER CIRCLE
PEACHTREE CITY, GA 30269

EMERGENCY PHONE (24 hours): CHEMTREC - 800-424-9300
INFORMATION PHONE (8:00 a.m - 5:00 p.m EST): (770) 261-4800
NAME OF PREPARER: CHEMICAL COMMUNICATIONS COORDINATOR
DATE PREPARED: 3/9/2021

2. HAZARDS IDENTIFICATION



CLASSIFICATION:

Highly Flammable Liquid and Vapors - Category 2
Acute Toxicity, Dermal - Category 3
Acute Toxicity, Inhalation - Category 3
Acute Toxicity, Oral - Category 3
Aspiration Hazard - Category 1
Carcinogenicity - Category 1
Serious Eye Irritation - Category 2
Reproductive Toxicity - Category 2
Skin Corrosion/Irritation - Category 2
Skin Sensitization - Category 1
Specific target organ toxicity, repeated exposure - Category 2
Specific target organ toxicity, single exposure - Category 3

SIGNAL WORD:

DANGER

HAZARDS STATEMENT:

H225-Highly flammable liquid and vapors
H304-May be fatal if swallowed and enters airways
H311-Toxic in contact with skin
H315-Causes skin irritation
H317-May cause an allergic skin reaction
H319-Causes serious eye irritation
H331-Toxic if inhaled
H336-May cause drowsiness or dizziness
H350-May cause cancer
H361-Suspected of damaging fertility or the unborn child.
H373-May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:

P202-Do not handle until all safety precautions have been read and understood.
P210-Keep away from heat/sparks/open flames/hot surfaces - No smoking

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P242-Use only non-sparking tools.
 P280-Wear protective gloves/eye protection/face protection.
 P403-P233-Store in well-ventilated place. Keep container tightly closed.
 P501-Dispose of contents/container in accordance with local/regional/national/regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS	CAS#	% BY WT.
METHYL ETHYL KETONE	78-93-3	40% - 45%
ACGIH TLV: 200 ppm ACGIH STEL: 300 ppm NIOSH REL: TWA 200 ppm NIOSH REL: TWA 590 mg/m3 OSHA P0: TWA 200 ppm OSHA P0: TWA 590 mg/m3 OSHA P0: STEL 300 ppm OSHA P0 STEL 885 mg/m3 EC50 ALGAE ?100 mg/l 96 hr LD50 ORAL 3400.0 mg/kg (RATS) DC50 VAPORS 2000 PPM (RATS) LC50 FISH 100 mg/l 96 hr EC50 DAPHNIA >100 mg/l 48 hr		
ETHANOL	64-17-5	35% - 40%
OSHA PEL 1000.000 ppm TWA NIOSH REL 1,000 ppm TWA NIOSH REL 1,900 mg/m3 OSHA Z-1 1,000 ppm TWA OSHA Z-1 1,900 mg/m3 ACGIH 1,000 ppm STEL LD50 ORAL 7060 mg/kg (rat) LC 50 INHALATION 124.7 mg/l (rat) LC50 FISH 15,300 mg/l 96h EC50 DAPHNIA 5,012mg/l 48hr EC50 ALGAE 275 mg/l 72 hr		
ISOPROPANOL	67-63-0	0% - 5%
ACGIH TWA: 200 ppm ACGIH STEL: 400 ppm NOISH REL: 400 ppm NOISH REL: 980 mg/m3 NOISH STEL: 500 ppm NOISH STEL: 1,225 mg/m3 OSHA Z1 PEL: 400 ppm OSHA Z1 PEL: 980 mg/m3 LC50 DAPHNIA 10,00 mg/l 24 hr LC50 INHALATION: 16000ppm 4hr (rat) LC50 FISH 5770-7450 mg/l 95hr LD50 ORAL RAT: 5,045 mg/kg LC50 INHALATION RAT: 16,000 ppm LD50 DERMAL RABBIT: 12,800 mg/kg		
TOLUENE	108-88-3	0% - 5%
OSHA PEL 200.00 PPM-TWA OSHA PEL 300.000 PPM-CEILING OSHA VPEL 100.000 PPM-TWA OSHA VPEL 150.000 PPM-STEL (SKIN) ACGIH TLV 50.000 PPM-TWA (SKIN) ACGIH TLV 150.000 PPM-STEL (SKIN) LD 50 ORAL RAT: 2.6 g/kg LC 50 INHALATION RAT: 8000 PPM; 4 h LD 50 DERMAL RABBIT: 12,124 mg/kg		

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LC50 FISH 7.63 mg/l 96 h		
EC50 INVERTEBRATES 8 mg/l 24 h		
EC50 ALGAE 10 mg/l 24h		
METHYL ALCOHOL	67-56-1	0% - 5%
OSHA PEL 200.000 ppm-TWA OSHA VPEL 200.000 ppm-TWA (Skin) OSHA VPEL 500.000 ppm-STEL (Skin) ACGIH TLV 200.000 ppm-TWA (Skin) ACHIH TLV 250.000 ppm-STEL (Skin) LC50 VAPORS 1600 ppm (rats) LD50 ORAL 1000.0 mg/kg (man) EC50 ALGAE 22,000.0 mg/l 96h FISH:Mortality LC50-Bluegill-15,400.0 mg/l-95h NOEC-Oryzias Latipes-7,900 mg/l-200h EC 50- Daphnia Magn ->10,000.00 MG/L-48h		
ZINC CHROMATE	13530-65-9	0% - 5%
ACGIH TLV: 0.0005 mg/m3 TWA OSHA PEL: 5 ug/m3 Ceiling: 0.1 mg/m3 NIOSH IDLH: idlh-15 mg/m3 Cr (VI) NIOSH IDLH: TWA: 0.0002 mg/m3 Cr LD/LC 50: 180 mg/kg (mus)		
METHYL ISOBUTYL KETONE	108-10-1	0% - 5%
ACGIH TWA: 20 ppm ACGIH STEL: 75 ppm NIOSH REL: 50 ppm NIOSH REL: 205 mg/m3 NIOSH STEL: 75 ppm NIOSH STEL: 300 mg/m3 OSHA Z1-TWA100 ppm OSHA Z1-410 mg/m3 OSHA P0-TWA 50 ppm OSHA P0-205 mg/m3 OSHA P0-stel 75 ppm OSHA 300 mg/m3 LD50 RAT ORAL: 2080 mg/kg LD50 INHALATION RAT: >2000 PPM, 4 hr LC50 RAT INHALATION 8.L2-16.4 mg/l LC50 FISH >179 mg/l 96h EC50 AQUATIC INVERTEBRATES >200 mg/l 48h EC50 ALGAE 400 mg/l 95h		
EPON RESIN	25036-25-3	0% - 5%
ACGIH TLV TWA-10 mg/m3 (inhalable particulate) OSHA PEL TWA-5 mg/m3 (respirable particulate) OSHA PEL TWA-15 mg/m3 (total dust) LD 50 Oral Rat >2,000 mg/kg LD 50 Dermal Rat >2,000 mg/kg		

4. First Aid Measures

Eyes:

With eyelids open, immediately flush eyes with lots of lukewarm water for at least 30 minutes. Get immediate medical assistance.

Skin:

Wash the skin thoroughly with plenty of water for at least 15 minutes, using a mild and non-abrasive soap. Cold water may be used.

Ingestion:

Never give anything by mouth if the victim is semi-conscious,

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unconscious, or convulsing.

Inhalation:

Evacuate to fresh air and administer artificial respiration if breathing stopped. Obtain medical aid.

5. Fire Fighting Measures

Flammable Properties:

Flash Point (Degree F): 16F

Flash Point Method: TCC

Explosive Limits:

Upper explosive limit: 36.0

Lower explosive limit: 1.2

Hazardous Combustion Products:

Carbon, Aluminum, or their compounds

Extinguishing Media:

CO₂, foam, dry chemical or halon

Firefighting Procedures:

Fire-Fighters should wear self-contained breathing apparatus and full protective equipment.

Extinguish all nearby sources of ignition.

6. Accidental Release Measures

Small Spill:

Eliminate all sources of ignition, provide ventilation, contain spill, and absorb with inert absorbent.

Wear appropriate breathing apparatus (if applicable) and protective clothing.

Use only non-sparking tools and equipment.

Large Spill:

Remove by mechanical means and place in containers.

Use only non-sparking tools and equipment.

Environmental Precautions:

Prevent product or wash waters from entering the water system or sewers.

US regulations require reporting spills of this material that could reach any surface waters. In Canada, report to the applicable provincial environment ministry.

7. Handling and Storage

Handling:

Avoid breathing dust/fume/gas/mist/vapors/spray.

Do not get in eyes, on skin, or on clothing.

Wash contaminated clothing thoroughly after handling.

Wash skin thoroughly (with soap and water) after handling.

Storage:

Store in a cool, dry well ventilated place, away from incompatible materials.

Store in a closed/sealed container.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

Mixture, see section 3

Engineering Controls:

General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below the threshold limit values.

Use explosion-proof electrical/ventilating/lighting equipment.

Prevent the product or the wash waters from entering the water system or sewers.

Personal Protective Equipment:



Respiratory Protection:

In case of inadequate ventilation, wear respirator protection.

Use NIOSH/MSHA approved Cartridge Respirator or Mask to keep airborne mists and concentrations below the time weighted threshold limit values.

Skin Protection:

Wear protective gloves (eg Neoprene or Nitrile) for skin protection.

Eye Protection:

Wear eye protection/face protection. Contact lenses should not be worn without goggles.

9. Physical and Chemical Properties

Flammability (solid, gas).....: Data not available

Boiling Point: 148.5F

Melting Point: Data not available

VOC.....: 760 grams/liter

Freezing Point: Data not available

Flash Point: 16F

Vapor Pressure: Data not available

Vapor Density: Heavier than air.

Solubility in Water: Slightly Soluble

Density.....: 7. lb/gl

Evaporation Rate: Faster than n-Butyl Acetate.

Explosive Limits:

Upper Explosive Limit: 36.0

Lower Explosive Limit: 1.2

Specific Gravity: .84066

PH: None known

Volatile (% by Weight).....: 90%

Appearance and Odor: Silver liquid, organic solvent odor

Odor Threshold: Not applicable

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Viscosity: Not applicable
Partition Coefficient:.....: Data not available
Decomposition Temperature ...: Data not available
Autoignition temperature.....: Data not available

10. Stability and Reactivity

Chemical Stability (Conditions to Avoid):

Stable under normal conditions.

Incompatibility:

Oxidizers, Strong Acids or Alkalies.

Hazardous Decomposition Products:

Irritating and/or toxic fumes including the following may be released:

Carbon, Aluminum, or their compounds

Hazardous Polymerization:

Will not occur.

11. Toxicological Information

Acute Toxicity Values:

Mixture, see section 3 - Hazardous Ingredients

Germ Cell Mutagenicity:

None known

Chronic/Carcinogenicity:

IARC (International Agency for Research of Cancer):

Group 1-Carcinogenic to humans

NTP (National Toxicology Program):

Known to be a human carcinogen

Reproductive Toxicity:

Product contains chemical(s) suspected of damaging fertility/unborn child

STOT-single exposure:

May cause drowsiness or dizziness

STOT-repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard:

May be fatal if swallowed and enters airways

Routes of Exposure:

Skin contact, skin absorption, eye contact, inhalation

12. Ecological Information

Environmental Fate:

Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams, or public waterways. Canadian and U.S. regulations require that environmental and/or other agencies be notified of a spill incident. The spill area must be cleaned and restored to the original condition or to the satisfaction of authorities.

Environmental Toxicity:

Data not available

Persistence and Degradability:

Data not available

Bioaccumulative Potential:

Data not available

Mobility in Soil

Data not available

Other Adverse Effects:

None known

13. Disposal Considerations

Disposal Methods:

Dispose of contents/container to: A licensed waste disposal facility.
Do not attempt to combust waste on-site. Incinerate at a licensed waste disposal site with approval of environment authority.

14. Transport Information

Domestic (Land, DOT), International (Water, IMO/IMDG), International (Air, ICAO) Road and Rail (ADR/RID), Air (ICAO/IATA), Vessel (IMO/IMDG):

UN Number:

UN 1263

UN Shipping Name:

PAINT RELATED MATERIAL

Transport Hazard Class:

Class 3



Packing Group:

Group II

ENVIRONMENTAL HAZARDS:

Marine Pollutant:

None known

Special Precautions for User:

None known

15. Regulatory Information

U.S. Federal Regulations:

TSCA:

ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY OR ARE

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EXTINCT FROM REQUIREMENTS

CERCLA: SARA Hazard Category:

Section 313:

IF THIS MATERIAL HAS ANY COMPONENTS THAT ARE REPORTABLE UNDER SARA 313 THEY ARE SHOWN IN THE FOLLOWING LISTING. IF THE LISTING IS BLANK, THERE ARE NO REPORTABLE COMPONENTS.

COMPONENT	CAS #	% BY WT.
ISOPROPANOL	67-63-0	0% - 5%
TOLUENE	108-88-3	0% - 5%
METHYL ALCOHOL	67-56-1	0% - 5%
ALUMINUM POWDER	7429-90-5	0% - 5%
ZINC CHROMATE	13530-65-9	0% - 5%

FRANK DODD SECTION 1502:

ALL COMPONENTS OF THIS PRODUCT COMPLY WITH TITLE 15 OF THE US CONSUMER FINANCIAL PROTECTION ACT, DODD-FRANK ACT SECTION 1502 (CONFLICT MINERALS ACT).

State Regulations:

California Prop 65:

This product contains a chemical known to the State of California to cause cancer.

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

International Regulations:

WHMIS:

B2, D2A, D2B,

CEPA (Canadian Environmental Protection Act)

ALL INGREDIENTS ARE CEPA APPROVED FOR IMPORT TO CANADA. THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATION (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

EINECS (European Inventory of Existing Chemical List)

ALL COMPONENTS OF THIS PRODUCT ARE INCLUDED ON THE EUROPEAN INVENTORY OF EXISTING CHEMICALS LIST

16. Other Information

Date of Preparation: 3/9/2021

KEY/LEGEND

- ACGIH: American Conference of Governmental Industrial Hygienists
- ADR: International Carriage of Dangerous Goods by Road
- RID: International Carriage of Dangerous Goods by Rail
- CAS: Chemical Abstracts Service
- CERCLA: Comprehensive Environmental Response, Compensation, & Liability Act
- DOT: Department of Transportation
- HMIS: Hazardous Materials Identification System
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organization

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IDL: Immediately Dangerous to Life
IMDG: International Maritime Dangerous Goods
IMO: International Maritime Organization
LC: Lethal Concentration
LD: Lethal Dose
NIOSH: National Institute for Occupational Safety & Health
OSHA: Occupational Safety & Health Administration
PPM: Parts Per Million
REL: Recommended Exposure Limit
SARA: Superfund Amendments and Reauthorization Act
STEL: Short-term Exposure Limits
STOT: Specific Target Organ Toxicity
TLV: Threshold Limit Value
TSCA: Toxic Substances Control Act
TWA: Time Weighted Average
VOC: Volatile Organic Compounds
WHMIS: Workplace Hazardous Materials Information System

Manufacturer Disclaimer:

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