

1. IDENTIFICATION:

PRODUCT NAME: KAL-GARD RA DILUTED
PRODUCT CODE: PKGRAD
PRODUCT USE.: Low Friction Coating

HMIS CODES H F R P
2*3 0 G

Manufacturer:

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: 5/17/2016

2. HAZARDS IDENTIFICATION



CLASSIFICATION:

Highly Flammable Liquid and Vapors - Category 2
Acute Toxicity - Category 3
Aquatic Acute Toxicity - Category 1
Aquatic Chronic Toxicity - Category 1
Aspiration Hazard - Category 1
Carcinogenicity - Category 1
Serious Eye Irritation - Category 2A
Reproductive Toxicity - Category 1
Skin Irritation - Category 2
Respiratory/Skin Sensitization - Category 1
Specific target organ toxicity, repeated exposure - Category 1
Specific target organ toxicity, single exposure - Category 1

SIGNAL WORD:

DANGER

HAZARDS STATEMENT:

H225-Highly flammable liquid and vapors
H301-Toxic if swallowed
H311-Toxic in contact with skin
H319-Causes serious eye irritation
H331-Toxic if inhaled
H336-May cause drowsiness or dizziness
H350-May cause cancer
H360-May damage fertility or the unborn child.
H372-Causes damage to organs through prolonged and repeated exposure
H410-Very toxic to aquatic life with long lasting effects.

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.
ETHANOL	64-17-5	30% - 35%
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		
METHYL ETHYL KETONE	78-93-3	25% - 30%
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		
TOLUENE	108-88-3	20% - 25%
OSHA PEL 200.00 PPM-TWA OSHA PEL 300.000 PPM-CEILING OSHA VPEL 100.000 PPM-TWA OSHA VPEL 150.000 PPM-STEEL (SKIN) ACGIH TLV 50.000 PPM-TWA (SKIN) ACGIH TLV 150.000 PPM-STEEL (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 LC50 FISH 7.63 mg/l 96 h EC50 INVERTEBRATES 8 mg/l 24 h EC50 ALGAE 10 mg/l 24h		
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		

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LD50 ORAL RAT: 5,045 mg/kg		
LC50 INHALATION RAT: 16,000 ppm		
LD50 DERMAL RABBIT: 12,800 mg/kg		
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		
ANTIMONY TRIOXIDE	1309-64-4	0% - 5%
OSHA Z-1 0.5 mg/m3 TWA		
OSHA P0: 0.5 mg/m3 TWA		
NOISH REL 0.5 mg/m3		
LD Oral Rat: >34,600 mg/kg		
LC50 Fish: >1,000 mg/l 96hr		
EC50 Daphnia: >1,000 mg/l 48 hr		
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		
LEAD PHOSPHITE	12141-20-7	0% - 5%
ACGIH TLV-TWA: 0.15 mg/m3 (8 hrs), as Pb		
BLV: 50 mmg/100g blood		
OSHA PEL: 0.05 mg/m3, AS Pb		
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		

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:

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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, 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, Lead, Antimony, Sulfur, 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.

In case of fire, toxic fumes of lead oxide may be emitted.

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:

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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.....: 775 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.....: 7.5 lb/gl

Evaporation Rate: Faster than n-Butyl Acetate.

Explosive Limits:

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Upper Explosive Limit: 36.0
Lower Explosive Limit: 1.2
Specific Gravity: .90071
PH: None known
Volatile (% by Weight).....: 90%
Appearance and Odor: Gray/Black liquid, organic solvent odor
Odor Threshold: Not applicable
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, Lead, Antimony, Sulfur, 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):
Not listed as a carcinogen

Reproductive Toxicity:

Product contains chemical(s) that may damage fertility or the unborn child

STOT-single exposure:

May cause respiratory irritation
May cause drowsiness or dizziness
Causes damage to organs

STOT-repeated exposure:

Causes damage to organs through prolonged or 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:

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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:**

Harmful to aquatic life with long lasting effects

Special Precautions for User:

None known

15. Regulatory Information

U.S. Federal Regulations:

OSHA:

OSHA Regulated

TSCA:

ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY OR ARE
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.
ETHANOL	64-17-5	30% - 35%
TOLUENE	108-88-3	20% - 25%
ANTIMONY TRIOXIDE	1309-64-4	0% - 5%
METHYL ISOBUTYL KETONE	108-10-1	0% - 5%
LEAD PHOSPHITE	12141-20-7	0% - 5%
METHYL ALCOHOL	67-56-1	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

SAFETY DATA SHEET

16. Other Information

Date of Preparation: 5/17/2016

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
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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