Product Information

Kleen-It™ G3®

Cleaner/Lubricant

2421

Introduction

A cleaner/lubricant formulated to quickly penetrate and flush away grease, dirt, oil, dust, and oxidized surface metals. Leaves a thin protective coating of silicone to lubricate and protect against corrosion.

Features / Benefits

Non-Flammable
Cleans and Lubricates
Silicone Lubricant
Stops Corrosion

Chemical Components

Carbon Dioxide……. (124-38-9)	3-5%
Siloxanes and Silicones, di-Me…….(63148-62-9)	<1%
1,2-transdichloroethylene……..(156-60-5)	55-65%
1,1,1,3,3-Pentafluropropane……..(460-73-1)	10-20%
White Mineral Oil……(8042-47-5)	1-3%
1,1,1,2-Tetrafluoroethane……..(811-97-2)	10-20%

Licensing Restriction

The use of this product for cleaning is subject to U.S. Patent No. 5,902,412 and use is restricted by Tech Spray, L. P.

Environmental Policy

Techspray® is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

Packaging and Availability

Kleen-It™ G3® is available in the following sizes:

2421-12S 12 Ounce Aerosol

MATERIAL SAFETY DATA SHEET

Finished Product

MSDS Ref. No: 2421-12S

KLEEN-IT G3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: KLEEN-IT G3
PRODUCT DESCRIPTION: Cleaner/Lubricant
PRODUCT CODE: 2421-12S

MANUFACTURER

Techspray, L.P.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS#	EINECS#
Carbon dioxide	3 - 5	124-38-9	
Siloxanes and Silicones, di-Me	<1	63148-62-9	xxx-xxx-x
1,2-transdichloroethylene (Trans)	55 - 65	156-60-5	205-860-2
1,1,1,3,3-Pentafluoropropane (HFC-245fa)	10 - 20	460-73-1	4191706
WHITE MINERAL OIL	1 - 3	8042-47-5	
1,1,1,2-Tetrafluoroethane (HFC-134a)	10 - 20	811-97-2	223770

EEC LABEL SYMBOL AND CLASSIFICATION

R20 - Harmful by inhalation.

EEC Harmful - "Xn"

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: If swallowed, do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: None : . . . . ASTM D-56 (Tag C.C.)

GENERAL HAZARD: Aerosol cans may erupt with force at temperatures above 120F.

EXTINGUISHING MEDIA: Water, foam, dry chemical, carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, fumes and oxides of carbon.

FIRE FIGHTING PROCEDURES: Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products are hazardous. This compound can be decomposed by high temperatures (open flames, glowing metal surfaces, etc.) forming hydrochloric and hydrofluoric acids - possibly carbonyl halides.

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6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid and place in sealed container for disposal. Vapors can travel to an ignition source.

GENERAL PROCEDURES: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth, gravel, etc. as necessary and place in closed containers for disposal.

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7. HANDLING AND STORAGE

GENERAL PROCEDURES: Wash thoroughly after handling. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Store in a cool dry place.

HANDLING: Use with sufficient ventilation to keep employee exposure below recommended limits. Provide

WORK HYGIENIC PRACTICES: Wash hands before eating and wash before reuse.

OTHER USE PRECAUTIONS: Emergency shower and eyewash facility should be in close proximity.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Faint ethereal odor
APPEARANCE: Clear, mobile liquid.
COLOR: Colorless
pH: Not Applicable
PERCENT VOLATILE: 98
VAPOR PRESSURE: Not Established
VAPOR DENSITY: >1 (Air=1)
BOILING POINT: Not Available
FREEZING POINT: Not Available
MELTING POINT: Not Applicable
SOLUBILITY IN WATER: Insoluble
DENSITY: 1.24 at 19.4°C
VISCOSITY: Not Applicable
(VOC): 814 g/L (non-exempt VOC)

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Heat, flames, ignition sources, and incompatables.

STABILITY: Stable under normal conditions.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrochloric acid, hydfrofluoric acid, chlorine, fluorine, phosgene, carbon dioxide, carbon monoxide.

INCOMPATIBLE MATERIALS: Strong acids and alkalis, reactive metals and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Moderately to severely irritating

DERMAL LD_{50}: Slight to very low toxicity.

ORAL LD_{50}: >2000 mg/kg (rat)

Fumes/liquid -- Irritant

EYE EFFECTS: Mixture is a moderate eye irritant.

SKIN EFFECTS: Causes irritation to skin.

CARCINOGENICITY:

IARC: NOT listed

NTP: NOT listed

CARCINOGENICITY COMMENTS: Not listed as a carcinogen.

MUTAGENICITY: Collective data indicate non-mutagenic.

NEUROTOXICITY: Exposure to high concentrations may effect the nervous system.

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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: There is limited information available on the environmental fate and effects of this material. The primary environmental concern for release is the impact on aquatic and terrestrial species. Due care should be taken to avoid the accidental release of this material into the environment.

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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Federal, State, and Local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.

GENERAL COMMENTS: Dispose of in a manner consistent with federal, state, and local regulations.

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14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: CONSUMER COMMODITY ORM-D
UN/NA NUMBER: NA
PACKING GROUP: NA

AIR (ICAO/IATA)
PROPER SHIPPING NAME: CONSUMER COMMODITY ID8000
PRIMARY HAZARD CLASS/DIVISION: 9
UN/NA NUMBER: ID8000
PACKING GROUP: NA
IATA NOTE: Domestic shipments only. When shipping International contact TechSpray shipping department.

VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: AEROSOLS IN LIMITED QUANTITIES OF CLASS 2
PRIMARY HAZARD CLASS/DIVISION: 2.2
UN/NA NUMBER: UN1950
PACKING GROUP: NA
IMDG NOTE: Page 2102

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: IMMEDIATE / PRESSURE

PRESSURE GENERATING: YES **ACUTE:** YES

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: Listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance with a reportable quantity of 1000 lbs.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: 1,2-trans-dichloroethylene

CERCLA RQ: 1000 Lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All components of this product are either listed or exempt from listing in the TSCA inventory.

OSHA HAZARD COMM. RULE: Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR 1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: None of the chemicals in this product are considered highly hazardous by OSHA.

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION

R20 - Harmful by inhalation.

EEC Harmful - "Xn"

R36/38 - Irritating to eyes and skin.

EEC Irritant - "Xi"

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to the State of California to cause cancer.

16. OTHER INFORMATION

APPROVED BY: Pierce A. Pillon **TITLE:** Chemist