

RICOH CO LTD -- 4221 DISPERSANT -- 6850-01-126-3103

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Product Identification  
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Product ID:4221 DISPERSANT

MSDS Date:01/05/1987

FSC:6850

NIIN:01-126-3103

Kit Part:Y

MSDS Number: BQDPQ

=== Responsible Party ===

Company Name:RICOH CO LTD

Address:1-3-6 NAKAMAGOME OTA-KU

City:TOKYO

Country:JA

Info Phone Num:201-882-5231 IN USA

Emergency Phone Num:201-882-5231 IN USA

CAGE:S0407

=== Contractor Id

entification ===

Company Name:RICOH CO LTD

Address:1-3-6 NAKAMAGOME OTA-KU

Box:City:TOKYO

Country:JA

Phone:03-777-8111JAPAN; 0559-21-2251

CAGE:S0407

Company Name:SAVIN CORP.

Address:9 WEST BROAD STREET

Box:12070

City:STAMFORD

State:CT

ZIP:06904-2270

Country:US

Phone:203-967-5000

CAGE:29382

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Composition/Information on Ingredients  
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Ingred Name:ISOPARAFFINIC HYDROCARBON SOLVENT (HYDROTREATED HEAVY  
NAPHTHA) (ISOPAR)

CAS:64742-48-9

Fraction by Wt: 100%

Other REC Limi

ts:300 PPM (EXXON)  
OSHA PEL:400 PPM (NAPHTHA)  
ACGIH TLV:400 PPM (NAPHTHA)

===== Hazards Identification =====

LD50 LC50 Mixture:TLV IS 300 PPM

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE AND CHRONIC- HEALTH STUDIES HAVE BEEN SHOWN THAT MANY PETROLEUM HYDROCARBONS AND LUBRICANTS POSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON.

AS A PRECAUTION, EXPOSURE TO LIQUID, VAPOR, MIST/FUME SHOULD BE MINIMIZED. VAPORS MAY CAUSE HEADACHES, DIZZINESS & IRRITATE EYES & RESPIRATORY TRACT.

Effects of Overexposure:HIGH VAPOR CONCENTRATIONS (GREATER THAN APPROXIMATELY 1000 PPM) ARE IRRITATING TO THE EYES AND THE RESPIRATORY TRACT, MAY CAUSE HEADACHES AND DIZZINESS, ARE ANESTHETIC, AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THIS MATERIAL.

===== First Aid Measures =====

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:WASH WITH SOAP & WATER.EYE:FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING.GET IMMEDIATE MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:126F,52C

Lower Limits:0

.7

Upper Limits:6.5

Extinguishing Media:WATER SPRAY, CO2, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:HEAT OF FIRE CAN GENERATE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS SUCH AS CARBON MONOXIDE AND CARBON DIOXIDE

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===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE THE AREA. CONTAIN THE SPILL. PICK UP LARGE SPILL WITH NON-SPARKING TOOLS; SMALL SPILLS/RESIDUE WITH INERT ABSORBENT MATERIAL. PLACE IN CONTAINERS. PREVENT ENTERING WATERWAYS/SEWERS.

===== Handling and Storage =====

Handling and Storage Precautions:STORAGE-STORE IN COOL, VENTILATED AREA, IN TIGHTLY CLOSED CONTAINERS, AWAY FROM HEAT, FLAMES & OXIDIZERS.

Other Precautions:"EMPTY" CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY/ DEATH. AVOID REPEATED/PROLONGED SKIN CONTACT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH-APPROVED MIST RESPIRATOR IS RECOMMENDED.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:IMPERVIOUS AS NEEDED

Eye Protection:GOGGLES AND FACE SHIELD IF NEEDED

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

KEY1: F4. THE KIT CONTAINS TWO 2 LITER BOTTLES OF DISPERSANT AND TWO 600 CC BOTTLES OF TONER. THIS MSDS IS FOR THE DISPERSANT. TONER MSDS WAS NOT SUPPLIED. STORAGE CODE IS FOR DISPERSANT ONLY.

===== Physical/Chemical Properties =====

HCC:F4

Boiling Pt.=180.C, 356.F

Vapor Pres:5

Spec Gravity:0.75

Evaporation Rate & Reference:0.3 (N-BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance

ce and Odor: CLEAR WHITE WATER LIQUID, FAINT PETROLEUM  
HYDROCARBON ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZERS

Stability Condition to Avoid: EXCESSIVE HEAT, SPARKS, FLAME AND OTHER  
SOURCES OF IGNITION

Hazardous Decomposition Products: CARBON MONOXIDE AND CARBON DIOXIDE

===== Disposal Considerations =====

Waste Disposal Methods: INCINERATE IN APPROVED INCINERATOR OR DIS  
POSE OF

IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

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