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RICOH CO LTD -- 4522, 4537, DISPERSANT -- 6850-01-207-3930

===== Product Identification =====

Product ID:4522, 4537, DISPERSANT

MSDS Date:01/27/1985

FSC:6850

NIIN:01-207-3930

Status Code:A

Kit Part:Y

MSDS Number: CKTLT

=== Responsible Party ===

Company Name:RICOH CO LTD

Address:1-3-6 NAKAMAGOME OTA-KU

City:TOKYO

Country:JA

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

Emergency Phone Num:03-777-81

11JAPAN

CAGE:S0407

=== Contractor Identification ===

Company Name:ARLINGTON INDUSTRIES

Address:612 HEATHROW DR

Box:City:LINCOLNSHIRE

State:IL

ZIP:60069

Country:US

Phone:800-323-4147

CAGE:56970

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:SERVICE ON SUPPLIES

Address:471 BENTON VIEW DR

Box:City:PHILOMATH

State:OR

ZIP:97370-9378

Country:US

Phone:541-929-2463

Contract Num:SP0450-98-M-CQ21

CAGE:1BM21

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Composition/Information on Ingredients  
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Ingred Name:NAPHTHA (PETROLEUM) HEAVY ALKYLATE (ISOPAR)

CAS:64741-65-7

= Wt:100.

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Hazards Identification  
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Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

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

EXPOSURE TO LIQUID, VAPOUR, MIST OR FUME SHOULD BE MINIMIZED.

Explanation of Carcinogenicity:NAPHTHA(PETROLEUM) HEAVY IS LISTED AS A CARCINOGEN

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

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First Aid Measures  
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First Aid:EYE CONTACT

IF SPILLED INTO THE EYES, FLUSH WITH CLEAR WATER

FOR 15 MINS OR UNTIL IRRITATION SUBSIDES. SKIN CONTACT-IN CASE OF SKIN CONTACT, REMOVE ANY CONTAMINATED CLOTHING AND WASH SKIN THOROUGHLY WITH SOAP AND WATER. INHALATION-IF OVERCOME BY VAPOR, REMOVE FROM EXPOSURE AND CALL A PHYSICIAN IMMEDIATELY. INGESTION-IF INGESTION, DO NOT INDUCE VOMITING; CALL A PHYSICIAN IMMEDIATELY.

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Fire Fighting Measures  
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Flash Point Method:TCC

Flash Point

is:52.C, 125.6F

Lower Limits:0.7

Upper Limits:8.6

Extinguishing Media:FOAM, WATER SPRAY(FOG), DRY CHEMICAL, OR CARBON DIOXIDE MAY BE SUITABLE.

Fire Fighting Procedures:IF A LEAK OR SPILL HAS IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROTECT MEN ATTEMPTING TO STOP LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE. MINIMIZE BREATHING GASES, VAPOR, FUMES OR DECOMPOSITION PRODUCTS. USE SUPPLIED-AIR BREATHING EQUIPMENT FOR ENCLOSED OR CONFINED SPACES

ACES.

Unusual Fire/Explosion Hazard:M/P

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

Spill Release Procedures:SHUT OFF & ELIMINATE ALL IGNITION SOURCES.  
KEEP PEOPLE AWAY. RECOVER FREE PRODUCT. ADD SAND, EARTH, SUITABLE  
ABSORBANT TO SPILL. MINIMIZE BREATHING VAPORS, MINIMIZE SKIN  
CONTACT. VENTILATE CONFINED SPACES. OPEN ALL WINDOWS & DOORS. KEEP  
PRODUCT OUT OF SEWERS & WATERCOURSES BY DIKING OR IMPOUNDING.  
ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR  
MAY ENTER SEWERS,  
WATERCOURSES, EXTENSIVE LAND AREAS.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, OPEN FLAME AND  
SPARKS. KEEP OUT OF REACH OF CHILDREN. EMPTY CONTAINERS RETAIN  
RESIDUE (LIQUID AND/OR VAPOR) & CAN BE DANGEROUS. DO NOT PRESSURE  
OR EXPOSURE SUCH CONTAINER TO HEAT, FLAME, SPARKS, OR OTHER SOURCE  
OF IGNITION. THEY MAY EXPLODE.

Other Precautions:\*SPILLED-ASSURE CONFORMITY WITH APPLICABLE

GOVERNMENTAL REGULATIONS. CONTINUE TO OBSERVE PRECAUTIONS FOR  
VOLATILE, COMBUSTIBLE VAPORS FROM ABSORBED MATERIAL.

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

Respiratory Protection:NONE NEEDED UNDER NORMAL USE CONDITIONS.  
Ventilation:LOCAL EXHAUST: NONE NEEDED UNDER NORMAL USE CONDITIONS.  
MECHANICAL(GENERAL): ADEQUATE VENTILATION.  
Protective Gloves:NONE NEEDED UNDER NORMAL USE CONDITIONS.  
Eye Protection:NONE NEEDED.  
Other Protective Equipment:NONE NEEDED

Work Hygienic Practices:MINIMIZE BREATHING VAPOR/MIST. AVOID PROLONGED  
OR REPEATED CONTACT WITH SKIN. REMOVE CONTAMINATED CLOTHING:  
LAUNDER OR DRY CLEAN BEFORE REUSE. REMOVE CONTAMINATED SHOE &  
THOROUGHLY CLEAN BEFORE REUSE.

Supplemental Safety and Health

CLEANSE SKIN THOROUGHLY AFTER CONTACT, BEFORE BREAKS AND MEALS, AND AT  
END OF PERIOD. PRODUCT IS READILY REMOVED FROM SKIN BY WATERLESS  
HAND CLEANERS FOLLOWED BY WASHING WITH SOAP AND WATER.

===== Physical/

Chemical Properties =====

HCC:F4

Boiling Pt:B.P. Text:173-187C

Melt/Freeze Pt: