

1FID: 00231354
VER DATE: 1989-11-09

C H E M I S T R I
MATERIAL SAFETY DATA SHEET

DATE: 10/22/02
TIME: 19:01:53
PAGE: 0001

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: DAPHNE HERMETIC OIL 220 LWX
ALL SYNONYMS : A/C COMPRESSOR OIL
AIR CONDITIONER COMPRESSOR OIL
AIR CONDITIONING COMPRESSOR OIL
DAPHNE HERMETIC OIL 220 LWX
GA 144
HERMETIC OIL 220 LWX
12345762
21030363
220 LWX DAPHNE HERMETIC OIL
227836 (OLD FID)

MSDS SIGNED BY NAME: ISAO TAKATA
MSDS SIGNED BY TITLE: MANAGER, QUALITY CONTROL SEC. LUBRICANTS DEPT.

SAFE USE CATEGORY AND DESCRIPTION: 04 -METAL WORKING FLUIDS AND
LUBRICANTS

LAST UPDATED DATE: 1991-03-27

MANUFACTURER'S ID (MID): 000540180
MANUFACTURER'S NAME: IDEMITSU KOSAN CO., LTD.
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: JA Tokyo2133143
MANUFACTURER'S MAILING ADDRESS:

NO. 1-1, MARUNOUCHI 3-CHOME
CHIYODA-KU TOKYO
JA

CHEMICAL FAMILY NAME: REFRIGERATOR OIL

MOLECULAR FORMULA: PROPRIETARY MIXTURE

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
064742707	< 0.0000/ 99.0000%	W	PARAFFIN OILS (PETROLEUM), CATALYT IC DEWAXED HEAVY (9CI)
072623837	< 0.0000/ 99.0000%	W	Lubricating oils, petroleum, C>25, hydrotreated bright stock-based
989903385	> 1.0000/ 0.0000%	W	PHOSPHATES

THRESHOLD LIMIT VALUE: 5 MG/M3 (MIST)

SECTION 03: HAZARDS IDENTIFICATION

PRIMARY ENTRY ROUTE INDICATORS:
SKIN PRIMARY ENTRY ROUTE INDICATOR = N
EYE PRIMARY ENTRY ROUTE INDICATOR = N
INHALATION PRIMARY ENTRY ROUTE INDICATOR = N

INGESTION PRIMARY ENTRY ROUTE INDICATOR = N

EFFECTS OF OVEREXPOSURE: CAUSES EYE IRRITATION.

ADDITIONAL HEALTH HAZARD DATA: NONE

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - GENERAL: IF THIS MATERIAL CONTACTS EYE, FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

SECTION 05: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, WATERSPRAY, WATER FOG OR CO2.

SPECIAL FIRE FIGHTING PROCEDURES: USE WATERSPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.

UNUSUAL FIRE AND EXPLOSION HAZARDS: RESPIRATORY PROTECTION REQUIRED FOR FIREFIGHTING PERSONNEL.

NFPA CODES:

NFPA FLAMMABILITY CODE =	0
NFPA HEALTH CODE =	2
NFPA REACTIVITY CODE =	1

FLASH POINT TEMPS: 132.00C/ 270.00F

FLASH POINT TEXT: 270F COC

FLASH POINT METHOD: COC

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: KEEP PUBLIC AWAY. SHUT OFF SOURCE IF POSSIBLE TO DO WITHOUT HAZARD. ADVISE POLICE IF SUBSTANCE HAS ENTERED A WATER COURSE OR SEWER, OR HAS CONTAMINATED SOIL OR VEGETATION.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT AND OPEN FLAMES. DO NOT STORE NEAR FLAME, HEAT OR STRONG OXIDANTS. DO NOT GET IN EYES. AVOID PROLONGED OR REPEATED SKIN CONTACT. AVOID BREATHING OIL MISTS.

SECTION 7 - OTHER INFORMATION: DO NOT GET IN EYES. AVOID PROLONGED OR REPEATED SKIN CONTACT. AVOID BREATHING OIL MISTS.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: CHEMICAL SPLASH GOGGLES

RESPIRATORY PROTECTION: USUALLY NOT NEEDED

PERSONAL PROTECTIVE EQUIPMENT: USUALLY NOT NEEDED

PROTECTIVE GLOVES (SPECIFY TYPE): CHEMICALLY RESISTANT

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

PACKAGED VOC VALUE/WEIGHT OR VOLUME CODE: 7.33 BY
THEORETICAL VOC WITHOUT WATER: 7.33

BOILING POINT TEMPS: 300.00C/ 572.00F
BOILING POINT TEXT: 300C IBP

SPECIFIC GRAVITY VALUES: = 0.8770
SPECIFIC GRAVITY TEXT: =0.877

VAPOR DENSITY VALUES: < 1.0000
VAPOR DENSITY TEXT: <1
VAPOR PRESSURE VALUES/UOM: 5.0000MMHG
VAPOR PRESSURE TEXT: 5 MMHG @ 20C

SOLUBILITY IN WATER TEXT: NEGLIGIBLE

APPEARANCE: NIL (PETROLEUM ODOR)

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y
STABILITY - TEXT: YES

INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

HAZARDOUS POLYMERIZATION INDICATOR: N
HAZARDOUS POLYMERIZATION TEXT: NO

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: INCINERATE IN AN APPROVED MANNER OR USE APPROVED
LAND FILL FACTORY TO LOCAL DISPOSAL REGULATION.

SECTION 16: OTHER INFORMATION

LOCAL EXHAUST: USUALLY NOT NEEDED
SAFE USE CATEGORY AND DESCRIPTION :

04 METAL WORKING FLUIDS AND LUBRICANTS

REGULATORY IMPACTS (REG) AND ADDITIONAL HEALTH HAZARD STATEMENTS (HHS) :

CAS#: 064742707 PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (9CI
REG:

0012

CAS#: 072623837 Lubricating oils, petroleum, C>25, hydrotreated bright
REG:

0012

REGULATORY KEY LIST:

0001	OSHA-PEL	0003	ACGIH-TLV	0004	GM-SPEC CHEM
0005	SUSP CARCIN	0006	EPA HW261.33	0007	EPA HW-APP 8
0008	MCMR	0009	FWPC-SEC 311	0010	EPA PRIORPOL
0011	NY SUBS CONC	0012	TSCA INV	0014	MI AIR POLLU
0015	SUP TAX CHEM	0016	MI HW-ACT 64	0017	CA HAZ SUBST
0018	NY SAN 22.8	0019	MA SUBST	0020	NJ ENV SUBST
0021	TOX ORGANICS	0022	MD CLASS I	0023	MD CLASS II
0024	EPA-ATC-I	0026	EPA-CHEMCONC	0027	WB VERY TOX
0028	WB OTHER TOX	0031	ALLGHNY CTY	0032	IL-RTK
0033	OSHA-HHCL	0034	FLT CRIT IND	0035	GM-AHC
0036	PRO EP TOX	0037	MO SPECIES	0038	MO-RTK
0039	ONT 654-86	0040	ONT DES SUB	0041	SARA312EXHAZ
0042	WI TABLE 1	0043	WI TABLE 2	0047	SARA 313
0048	CERCLASEC103	0049	P-65 CARCINO	0050	P-65 REP TOX
0051	MD CLSI .11	0052	MD CLSI .12	0053	MD CLSII .12
0054	CT 29-1	0055	CT 29-2	0056	CT 29-3
0058	EPA261.33(F)	0059	CA AIR TOX 1	0060	CA AIR TOX 2
0061	PA RTK	0063	PELS REVISED	0064	NPDES-TOXPOL
0065	NJ W&C RTK	0066	CAA HAZ POL	0067	NV HIGH HAZ.
0068	MI 307-CARC	0069	MI 307-NCARC	0070	MICH AIR
0071	CAA602 CLSI	0075	C	0076	D
0078	GREAT LAKES	0080	METALS	0082	EPA 112(R)
0083	TSCA 8(D)	0084	GM OEG	0085	TSCA-TEST
0087	TSCA 12(B)	0088	NAT. POLL. REL	0089	NY CHEM BULK
0090	GL PERSIST	0091	LAND DISP. - II	0092	UAW/GM AUDIT
0093	TSCA - SPECIAL	0095	FIFRA REG MAT	0098	DSL - CANADA
0099	NDSL - CANADA	0102	GM 1000M	0103	CAA SEC. 112(R)
0104	CERCLA-HAZWOPER	0105	GLPPP-SPECIFIC	0106	GLPPP-SPECIFIC
0107	PET. DISTILLATE	0109	APPENDIX IX	0110	GLOBAL WARM CMP
0112	RCRA PBT -DRAFT	0113	IARC-GROUP 2B	0115	IARC-GROUP 1
0116	GMW 3059-RESTR.	0117	GMW 3059-REPORT	0118	T.W. REPORT
0121	HEX CHROME, PB,	0122	ACDM-REPORTING	0123	MDEQ PART 5

GMBA/PLANT USING THIS FID:

GMBA: 000550678 SPO - DISTRIBUTABLE MATERIALS
CISCO: 17001;
STATUS :ACTIVE
GMBA: 000550806 SATURN CORP - TROY
CISCO: 22001;
STATUS :ACTIVE
GMBA: 000550897 GMPTG - WILLOW RUN PLANT
CISCO: 57001;
STATUS :ACTIVE
GMBA: 000550957 CHEMICAL RISK MANAGEMENT
CISCO: 89150;
STATUS :ACTIVE
GMBA: 000551133 GM VALIDATION CENTER-MADISON HEIGHTS
CISCO: 22002;
STATUS :ACTIVE
GMBA: 000556705 ENVIRONMENTAL SYSTEMS HELPDESK

CISCO: 99004;
STATUS :ACTIVE