

MOELLER MARINE PRODUCTS CO.
801 NORTH SPRING ST.
SPARTA; TENN.; 38583
USA

PRODUCT: 13004 MOELLER MARINE PRODUCTS - PAINTS**Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER MANUFACTURED FOR:
MOELLER MARINE PRODUCTS CO.
801 NORTH SPRINGS ST
SPARTA
TENN. 38583
USA
931-738-8090

PRODUCT NAME..... 13004 MOELLER MARINE PRODUCTS - PAINTS

PRODUCTS..... 025433,025425,025350,025436,025461,025488,025491,025203,025225,025320,025340,025473,
025475, 025478,025100,025102,025109,025103,025104.

CHEMICAL FAMILY..... NITROCELLULOSE BASED COATING.

MOLECULAR WEIGHT..... NOT APPLICABLE.

CHEMICAL FORMULA..... MIXTURE.

TRADE NAMES & SYNONYMS..... 13004 MOELLER MARINE PRODUCTS - PAINTS

PRODUCT USES..... AEROSOLIZED PAINT.

V.O.C.(M.I.R.)..... NON FLAT PAINTS COMPLY WITH 1.40 g OZONE / g PRODUCT. FLAT PAINTS COMPLY WITH
1.20 g OZONE / g PRODUCT.

Section 02: COMPOSITION/INFORMATION INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
ACETONE	15-40	750 ppm	67-64-1	>9750 mg/kg ORAL - RAT	>16,000 ppm (4 hr) INHAL - RAT
PROPYLENE GLYCOL METHYL ETHER ACETATE	5-10	100	108-65-6	8500 mg/kg ORAL - RAT	>4345 ppm (6 hr) INHAL - RAT
TOLUENE	5-10	50 ppm	108-88-3	5000 mg/kg ORAL - RAT	8000 ppm (4 hr) INHAL - RAT
METHYL ISOBUTYL KETONE	1-5	50 ppm	108-10-1	2080 mg/kg ORAL - RAT	2000 ppm (4 hr) INHAL - RAT
METHYL ETHYL KETONE	3-7	200 ppm	78-93-3	3400 mg/kg ORAL - RAT	8000 ppm (8 hr) INHAL - RAT
XYLENE	1-5	100 ppm	1330-20-7	4.3 g/kg ORAL - RAT	6350 ppm (4 hr) INHAL - RAT
ISOPROPANOL	1-5	400 ppm	67-63-0	>4720 mg/kg ORAL - RAT	12000 ppm (8hr) INHAL - RAT
ISOBUTANE	5 -10	1000 ppm	75-28-5	NOT APPLICABLE	142,500 ppm (4h) INHAL - RAT
PROPANE	10-15	1000 ppm	74-98-6	NOT APPLICABLE	NOT AVAILABLE

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:

INGESTION..... MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.

INHALATION..... INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.

EYE CONTACT..... MAY CAUSE IRRITATION.

SKIN ABSORPTION..... NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.

SKIN CONTACT..... MAY CAUSE IRRITATION.

EFFECTS OF ACUTE EXPOSURE..... DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.

EFFECTS OF CHRONIC EXPOSURE..... SOLVENTS MAY CAUSE DEFATTING DERMATITIS.

EXPOSURE LIMIT OF MATERIAL..... SEE SECTION 2.

Section 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURE IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

PRODUCT: 13004 MOELLER MARINE PRODUCTS - PAINTS**Section 05: FIRE FIGHTING MEASURES**

AUTO IGNITION TEMPERATURE (°C).....	272-527.
SPECIAL PROCEDURES.....	WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.
FLAMMABILITY.....	EXTREMELY FLAMMABLE.
IF YES, UNDER WHICH CONDITIONS?.....	EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
EXTINGUISHING MEDIA.....	WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.
UPPER FLAMMABLE LIMIT.....	15.1.
(% BY VOLUME)	
LOWER FLAMMABLE LIMIT.....	1.
(% BY VOLUME.)	
EXPLOSION DATA	
SENSITIVITY TO STATIC DISCHARGE.....	NOT APPLICABLE.
SENSITIVITY TO IMPACT.....	NOT APPLICABLE.
HAZARDOUS COMBUSTION PRODUCTS.....	HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
AEROSOL FLAME PROJECTION	
CLASSIFIED AS:.....	> 45 CM.
FLASHBACK.....	NONE.
FLASH POINT(°C), TAG CLOSED-CUP	LOWEST VALUE KNOWN IS ACETONE @-18C.
(CONCENTRATE)	

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL.....	REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.
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Section 07: HANDLING AND STORAGE

STORAGE NEEDS.....	KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.
ENGINEERING CONTROLS.....	VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).
HANDLING PROCEDURES AND EQUIPMENT.....	STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.
SYNERGISTIC MATERIALS.....	NONE KNOWN.

Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

GLOVES/ TYPE.....	WEAR CHEMICAL RESISTANT GLOVES.
RESPIRATORY/TYPE.....	IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.
EYE/TYPE.....	SAFETY GLASSES.
FOOTWEAR/TYPE.....	NOT NORMALLY REQUIRED.
OTHER/TYPE.....	NOT REQUIRED.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....	AEROSOL.
APPEARANCE.....	VARIOUS COLOURS.
ODOR.....	KETONE.
ODOR THRESHOLD.....	NOT AVAILABLE.
VAPOUR PRESSURE(PSIG)-AEROSOL.....	55 - 65.
@ 20 C	
BOILING POINT (° C)(CONC).....	57-150.
EVAPORATION RATE.....	GREATER THAN 1.
n-BUTYL ACETATE = 1	
VAPOUR DENSITY (AIR=1).....	GREATER THAN 1.
(BY WEIGHT)	
SOLUBILITY IN WATER.....	NEGLIGIBLE.
pH.....	NOT APPLICABLE.
SPECIFIC GRAVITY (LIQUID).....	0.88-0.92.
COEFFICIENT OF WATER/OIL DIST.....	NOT AVAILABLE.
FREEZING POINT: (°C).....	NOT AVAILABLE.
SPECIFIC GRAVITY (AEROSOL).....	0.81-0.85.

PRODUCT: 13004 MOELLER MARINE PRODUCTS - PAINTS**Section 10: STABILITY AND REACTIVITY**

HAZARDOUS PRODUCTS OF DECOMPOSITION..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

CHEMICAL STABILITY:

YES..... UNDER NORMAL CONDITIONS.

NO, WHICH CONDITIONS?..... NOT APPLICABLE.

COMPATABILITY WITH OTHER SUBSTANCES:

NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.

REACTIVITY CONDITIONS?..... NOT APPLICABLE.

HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

Section 11: TOXICOLOGICAL INFORMATION

REPRODUCTIVE EFFECTS..... XYLENE - HIGH EXPOSURES TO XYLENE IN SOME ANIMAL STUDIES, OFTEN AT LEVELS TOXIC TO THE MOTHER, AFFECTED EMBRYO/FETAL DEVELOPMENT. THE SIGNIFICANCE OF THIS FINDING TO HUMANS IS NOT KNOWN. TOLUENE - PROLONGED AND REPEATED EXPOSURE OF PREGNANT ANIMALS TO TOLUENE (LEVELS GREATER THAN APPROXIMATELY 1500 ppm) HAS BEEN REPORTED TO CAUSE ADVERSE FETAL DEVELOPMENTAL EFFECTS.

IRRITANCY OF MATERIAL..... SKIN/EYE IRRITANT.

SENSITIZING CAPABILITY OF MATERIAL..... UNKNOWN.

CARCINOGENICITY OF MATERIAL..... THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, (NATIONAL TOXICOLOGY PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), AND HAVE NOT BEEN EVALUATED BY IARC, (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER), NOR BY ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).

TERATOGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.

MUTAGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.

Section 12: ECOLOGICAL CONSIDERATIONS

ENVIRONMENTAL..... NOT AVAILABLE.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

Section 14: TRANSPORTATION INFORMATION

DOT CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.

T.D.G. CLASSIFICATION..... CONSUMER COMMODITY AEROSOLS, UN1950, CLASS 2.1 .

Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... A,B5,D2A,D2B.

HMIS RATING HEALTH..... 2 MODERATE HAZARD.

HMIS RATING FLAMMABILITY..... 4 SEVERE HAZARD.

HMIS RATING REACTIVITY..... 1 SLIGHT HAZARD.

NFPA CODE 30B..... LEVEL 2.

CNFC SECTION 3.3.5..... LEVEL 2.

Section 16: OTHER INFORMATION

NOTICE FROM KG PACKAGING INC THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY KG PACKAGING INC. FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. KG PACKAGING INC. ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.

PREPARED BY..... Technical Services

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