

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ALKYD PRIMER UNDERCOATER
PRODUCT CODE: 37-11

HMS CODES: H F R P
2 2 0 6

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SECTION I - MANUFACTURER IDENTIFICATION
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MANUFACTURER'S NAME: O'Leary Paint Company

ADDRESS: 415 BAKER ST.,

EMERGENCY PHONE: 517-482-0473

DATE REVISED : 12-12-99

INFORMATION PHONE: (517) 482-0473

NAME OF PREPARER : SCOTT BOWER

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SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION
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HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mm Hg @ 70°F	WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER		
MINERAL SPIRITS RULE 66 /STODDARD SOLVENT	8052-41-3	100 ppm	100 ppm		2.0	60F 15
ZIRCONIUM DRIER	2246-99-9	100ppm	100ppm	350MG/COH	2.6	406F 0.32
METHYL ETHYL KETOXIME	96-29-7	NONE	NONE	NONE	N/A	< 0.5%

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***
WARNINGS ON TALS APPLY ONLY WHEN SANDING OR GRINDING ON DRIED PAINT FILM. WHEN SANDING OR GRINDING ON DRIED PAINT FILM
APPROVED NIOSH/MSHA DUST RESPIRATOR MASK SHOULD BE WORN.

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS
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BOILING POINT: 334 DEG F

SPECIFIC GRAVITY (H2O=1): 1.5

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

COATING V.O.C. : 2.82 LB/GL (338 G/L)

SOLUBILITY IN WATER: NONE

APPEARANCE AND ODOR: WHITE OPAQUE LIQUID/MINERAL SPIRITS ODOR

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA
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FLASH POINT: 100 DEG

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.0% UPPER: 6.0%

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

EXPOSED CONTAINERS TO REDUCE PRESSURE. SUMMON PROFESSIONAL FIREFIGHTERS. USE FULL PROTECTIVE EQUIPMENT INCLUDING
SELFCONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

DUE TO PRESSURE BUILD-UP, CLOSED CONTAINERS EXPOSED TO EXTREME HEAT MAY EXPLODE. DURING EMERGENCY CONDITIONS, OVEREXPOSURE
TO DECOMPOSITION MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID
EXCESSIVE HEAT, SPARKS, AND OPEN FLAMES.

INCOMPATIBILITY (MATERIALS TO AVOID)
STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
THERMAL DECOMPOSITION MAY YIELD CARBON DIOXIDE & MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION. CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING
DIZZINESS WEAKNESS, FATIGUE, NAUSEA, HEADACHE.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS. EYES: CAN CAUSE SEVERE IRRITA-
TION REDNESS, TEARING, BLURRED VISION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEM-
ICAL PNEUMONITIS WHICH CAN BE FATAL.

HEALTH HAZARDS (ACUTE AND CHRONIC)
OVEREXPOSURE TO MINERAL SPIRITS HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: CENTRAL NERVOUS SYS-
TEM EFFECTS. THIS PRODUCT CONTAINS TALC. PROLONGED EXPOSURE TO EXCESSIVE AIRBORNE CONCENTRATIONS OF TALC CAN RESULT IN
SCARRING OF THE LUNGS (PNEUMOCONIOSIS) OR OF THE COVERING OF THE LUNGS (PLEURAL THICKENING).

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? YES
NONE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
PRE-EXISTING LUNG, OR SKIN CONDITIONS MAY BE AGGRAVATED.

EMERGENCY AND FIRST AID PROCEDURES
SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. EYES: FLUSH WITH CAPIUS AMOUNTS OF WATER, LIFTING UPPER AND LOWER
LIDS OCCASIONALLY, GET MEDICAL ATTENTION. SWALLOWED: DO NOT INDUCE VOMITING, KEEP PERSON WARM, QUIET, AND GET MEDICAL
ATTENTION. ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.
RESPIRATION: IF AFFECTED REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS
STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

PROVIDE MAXIMUM VENTILATION. ONLY PERSONNEL EQUIPPED WITH PROPER RESPIRATORY, SKIN AND EYE PROTECTION SHOULD BE PERMITTED IN THE AREA. REMOVE ALL SOURCES OF IGNITION. TAKE UP SPILLED MATERIAL WITH ABSORBENT MATERIAL PLACE IN CONTAINER.

WASTE DISPOSAL METHOD

WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED OR DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

DO NOT STORE ABOVE 120 DEGREES F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED FOR STORAGE OF NFP CLASS 111B COMBUSTIBLE LIQUIDS.

OTHER PRECAUTIONS

KEEP CONTAINERS CLOSED WHEN NOT IN USE. CONTAINERS CAN CONTAIN HAZARDOUS PRODUCT RESIDUES EVEN WHEN EMPTY, WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

OVEREXPOSURE TO VAPORS MAY BE PREVENTED BY ENSURING VENTILATION CONTROLS, VAPOR EXHAUST OR FRESH AIR ENTRY. NIOSH/MSHA-APPROVED (TC-23C) PAINT SPRAY OR AIR SUPPLIED (TC-19C) RESPIRATORS MAY ALSO REDUCE EXPOSURE. READ MANUFACTURER'S INSTRUCTIONS AND LITERATURE CAREFULLY TO DETERMINE THE TYPE OF AIRBORNE CONTAMINANTS AGAINST WHICH THE RESPIRATOR IS EFFECTIVE.

VENTILATION

USE VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS. AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE EXCEEDS TLV, USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

PROTECTIVE GLOVES

REQUIRED FOR PROLONGED OR REPEATED CONTACT. WEAR RESISTANT GLOVES SUCH AS NATURAL RUBBER, NEOPRENE, SUNA N OR NITRILE.

EYE PROTECTION

AVOID CONTACT WITH EYES. WEAR CHEMICAL-TYPE SPLASH GOGGLES OR FULL FACE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

WEAR PROTECTIVE CLOTHING, INCLUDING IMPERMEABLE APRON.

WORK/HYGIENIC PRACTICES

WASH HANDS WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

===== SECTION IX - DISCLAIMER =====

DISCLAIMER

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA BELIEVED BY O'LEARY PAINT CO. TO BE ACCURATE, BUT WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION. WE NEITHER SUGGEST NOR GUARANTEE THAT ANY HAZARDS MENTIONED ARE THE ONLY ONES WHICH EXIST.