

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET

B1D275
01 00

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SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER
B1D275
PRODUCT NAME
1D275 GRN EPXY INSUL

HMS CODES
HEALTH 2*
FLAMMABILITY 4
REACTIVITY 0

PRODUCT CLASS
AEROSOL COATING

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT CAS NO.	% BY WT	ACGIH TLV	OSHA PEL	UNITS	V. P.
PROPANE - 74-98-6	16		1000	PPM	760.00
MINERAL SPIRITS (ODORLESS) - 64741-65-7	2	100	100	PPM	1.00
TOLUENE - 108-88-3	10 STEL	50	100 150	PPM (SKIN) PPM (SKIN)	22.00
XYLENE - 1330-20-7	13 STEL	100 150	100 150	PPM PPM	5.90
ACETONE - 67-64-1	31 STEL	750 1000	750 1000	PPM PPM	180.00
N-BUTYL ACETATE - 123-86-4	4 STEL	150 200	150 200	PPM PPM	10.00
TALC - 14807-96-6	9	2	2 MG/M3 AS RESP. DUST		

Page 1

TITANIUM DIOXIDE - 13463-67-7	2	10 *** TOTAL DUST (RESPIRABLE FRACTION)	10(5) MG/M3 AS DUST ***
POTASSIUM ZINC CHROMATE - 11103-86-9	2	0.01	MG/M3
CHROMIUM VI (AS CR)	0.52	0.05	MG/M3

SECTION III - PHYSICAL DATA

PRODUCT WEIGHT: 7.04 LB./GAL.
EVAPORATION RATE: FASTER THAN ETHER
SPECIFIC GRAVITY: 0.85
VAPOR DENSITY: HEAVIER THAN AIR
BOILING POINT: <0 -412F
MELTING POINT: N.A.
VOLATILE VOLUME: 89%
SOLUBILITY IN WATER: N.A.
VOLATILE WEIGHT: 76.35% (LESS FEDERALLY EXEMPT SOLVENTS)
HMS: 2 * 4 0

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: PROPELLANT <0F LEL: 1.0 UEL: 12.8

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM.

UNUSUAL FIRE AND EXPLOSION HAZARDS: ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

SPECIAL FIRE FIGHTING PROCEDURES: FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

SECTION V - HEALTH HAZARD DATA

ROUTES OF EXPOSURE: EXPOSURE MAY BE BY INHALATION AND/OR SKIN OR EYE CONTACT, DEPENDING ON CONDITIONS OF USE. TO MINIMIZE EXPOSURE, FOLLOW RECOMMENDATIONS FOR PROPER USE, VENTILATION AND PERSONAL PROTECTIVE EQUIPMENT.

ACUTE HEALTH HAZARDS:
EFFECTS OF OVEREXPOSURE:
IRRITATION OF EYES, SKIN AND RESPIRATORY SYSTEM. MAY CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME OVEREXPOSURE MAY RESULT IN UNCONSCIOUSNESS AND POSSIBLY DEATH.

Page 2

CONSULT NFPA CODE. USE APPROVED BONDING AND GROUNDING PROCEDURES. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE OR EXPOSE TO TEMPERATURE ABOVE 120F. HEAT FROM SUNLIGHT, RADIATORS, STOVES, HOT WATER, AND OTHER HEAT SOURCES COULD CAUSE CONTAINER TO BURST. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:
REDNESS AND ITCHING OR BURNING SENSATION MAY INDICATE EYE OR EXCESSIVE SKIN EXPOSURE.

HEADACHE, DIZZINESS, NAUSEA, AND LOSS OF COORDINATION ARE INDICATIONS OF EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MISTS.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE GENERALLY RECOGNIZED.

EMERGENCY AND FIRST AID PROCEDURES:
IF INHALED: IF AFFECTED, REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET.

IF ON SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE RE-USE.

IF IN EYES: FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

IF SWALLOWED: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. GIVE CONSCIOUS PATIENT SEVERAL GLASSES OF WATER. SEEK MEDICAL ATTENTION.

CHRONIC HEALTH HAZARDS:
CHROMATES ARE LISTED BY IARC AND NTP. STUDIES HAVE ASSOCIATED EXPOSURE TO CHROMIUM VI COMPOUNDS WITH AN INCREASED RISK OF RESPIRATORY CANCER.

PROLONGED OVEREXPOSURE TO SOLVENT INGREDIENTS IN SECTION II MAY CAUSE ADVERSE EFFECTS TO THE LIVER, URINARY, BLOOD FORMING, CARDIOVASCULAR AND REPRODUCTIVE SYSTEMS.

RATS EXPOSED TO TITANIUM DIOXIDE DUST AT 250 MG./M3 DEVELOPED LUNG CANCER, HOWEVER, SUCH EXPOSURE LEVELS ARE NOT ATTAINABLE IN THE WORKPLACE.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: NONE KNOWN
INCOMPATIBILITY: NONE KNOWN
HAZARDOUS DECOMPOSITION PRODUCTS: BY FIRE: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF METALS IN SECTION II.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. VENTILATE AND REMOVE WITH INERT ABSORBENT.

WASTE DISPOSAL METHOD: WASTE FROM THIS PRODUCT MAY BE HAZARDOUS AS DEFINED UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) 40 CFR 261.

Page 3

WASTE MUST BE TESTED FOR IGNITABILITY AND EXTRACTABILITY TO DETERMINE THE APPLICABLE EPA HAZARDOUS WASTE NUMBERS.

DO NOT INCINERATE. DEPRESSURIZE CONTAINER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING POLLUTION.

SECTION VIII - PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE: USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR AND SPRAY MIST. AVOID CONTACT WITH SKIN AND EYES. WASH HANDS AFTER USING.

THIS COATING MAY CONTAIN MATERIALS CLASSIFIED AS NUISANCE PARTICULATES (LISTED "AS DUST" IN SECTION II) WHICH MAY BE PRESENT AT HAZARDOUS LEVELS ONLY DURING SANDING OR ABRADING OF THE DRIED FILM. IF NO SPECIFIC DUSTS ARE LISTED IN SECTION II, THE APPLICABLE LIMITS FOR NUISANCE DUSTS ARE ACGIH TLV 10 MG./M3 (TOTAL DUST), 3 MG./M3 (RESPIRABLE FRACTION), OSHA PEL 15 MG./M3 (TOTAL DUST), 5 MG./M3 (RESPIRABLE FRACTION).

VENTILATION: LOCAL EXHAUST PREFERABLE. GENERAL EXHAUST ACCEPTABLE IF THE EXPOSURE TO MATERIALS IN SECTION II IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS. REFER TO OSHA STANDARDS 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION: IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS BY VENTILATION, WEAR A PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS IN SECTION II.

WHEN SANDING, WIREBRUSHING, ABRADING, BURNING OR WELDING THE DRIED FILM, WEAR A PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST NON-VOLATILE MATERIALS IN SECTION II.

PROTECTIVE GLOVES: NONE REQUIRED FOR NORMAL APPLICATION OF AEROSOL PRODUCTS WHERE MINIMAL SKIN CONTACT IS EXPECTED. FOR LONG OR REPEATED CONTACT, WEAR CHEMICAL RESISTANT GLOVES.

EYE PROTECTION: WEAR SAFETY SPECTACLES WITH UNPERFORATED SIDESHIELDS.

SECTION IX - PRECAUTIONS

DOL STORAGE CATEGORY: 1A

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. VAPORS WILL ACCUMULATE READILY AND MAY IGNITE EXPLOSIVELY.

DURING USE AND UNTIL ALL VAPORS ARE GONE: KEEP AREA VENTILATED - DO NOT SMOKE - EXTINGUISH ALL FLAMES, PILOT LIGHTS AND HEATERS - TURN OFF STOVES, ELECTRIC TOOLS AND APPLIANCES AND ANY OTHER SOURCES OF IGNITION.

Page 4

CAS NO.	CHEMICAL/COMPOUND	% BY WT	% ELEMENT
108-88-3	TOLUENE	10	
1330-20-7	XYLENE	13	
	CHROMIUM		0.5
	COPPER COMPOUND	2	0.1

CALIFORNIA PROPOSITION 65: WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

THE ABOVE INFORMATION PERTAINS TO THIS PRODUCT AS CURRENTLY FORMULATED, AND IS BASED ON THE INFORMATION AVAILABLE AT THIS TIME. ADDITION OF REDUCERS OR OTHER ADDITIVES TO THIS PRODUCT MAY SUBSTANTIALLY ALTER THE COMPOSITION AND HAZARDS OF THE PRODUCT. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.