

AMERON PROTECTIVE COATINGS -- BAR-RUST MULTI-PURPOSE EPOXY NO.: DV235 CNVT --
8010-01-359-7235

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

Product ID:BAR-RUST MULTI-PURPOSE EPOXY NO.: DV235 CNVT

MSDS Date:08/12/1996

FSC:8010

NIIN:01-359-7235

Status Code:A

MSDS Number: CKFKK

=== Responsible Party ===

Company Name:AMERON PROTECTIVE COATINGS

Address:201 NORTH BERRY STREET

Box:1020

City:BREA

State:CA

ZIP:

92622-1020

Country:US

Info Phone Num:1-619-231-8330

Emergency Phone Num:(800)424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:0Y2E4

=== Contractor Identification ===

Company Name:AMERON PROTECTIVE COATINGS

Address:201 NORTH BERRY STREET

Box:1020

City:BREA

State:CA

ZIP:92622-1020

Country:US

Phone:714-529-1951

CAGE:0Y2E4

===== Composition/Information on Ingredients =====

Ingred Name:AROMATIC AMINE VP= 4.30

RTECS #:AA1005464

< Wt:65.

OSHA PEL:10 PPM (25MG/M3)

ACGIH TLV:10 PPM

(25MG/M3)

Ingred Name: BUTYL ALCOHOL

CAS: 71-36-3

RTECS #: EO1400000

= Wt: 6.

OSHA PEL: 50 PPM (150MG/M3)

ACGIH TLV: 50 PPM (150MG/M3)

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

Ingred Name: VM & P NAPHTHA VP = 40

CAS: 8032-32-4

RTECS #: OI6180000

= Wt: 28.

OSHA PEL: 300 PPM (1350MG/M3)

ACGIH TLV: 1370 MG/M3; 300 PPM

Ingred Name: ETHYLENEDIAMINE VP = 10.70

CAS: 107-15-3

RTECS #: KH8575000

< Wt: 5.

OSHA PEL: 25 MG/M3; 10 PPM

ACGIH TLV: 25 MG/M3; 10 PPM

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

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==== Hazards Identification =====

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES

Health Hazards Acute and Chronic: SKIN: IRRITANT. SEVERE BURNS.

SENSITIZATION OR ALLERGIC REACTION, SUCH AS RASH OR HIVES.

INHALATION: IRRITANT. LUNG INJURY. RESPIRATORY SENSITIZATION AND

ALLERGIC REACTION SUCH AS ASTHMA. CENTRAL NERVOUS SYSTEM DAMAGE.

EYES: IRRITANT, SEVERE BURNS. INGESTION: HARMFUL IF SWALLOWED.

Effects of Overexposure: VAPOR OR SPRAY MIST OR S

PATTERED MATERIAL CAN

BE HARMFUL. IRRITATING TO EYES, SKIN AND IF INHALED, TO NOSE AND

THROAT. EXCESSIVE OR PROLONGED INHALATION CAN CAUSE HEADACH,

NAUSEA OR DIZZINESS. REPEATED AND PROLONGED OCCUPATIONAL

OVEREXPOSURE TO SOLVENTS IS ASSOCIATED WITH PERMANENT BRAIN AND

NERVOUS SYSTEM DAMAGE. INTENTIONAL ABUSE, MISUSE OR OTHER MASSIVE

EXPOSURE TO SOLVENTS MAY CAUSE MULTIPLE ORGAN DAMAGE AND/OR

DEATH.

Medical Cond Aggravated by Exposure: SKIN, RESPIRATORY, ALLERGIE

S.

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First Aid Measures
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First Aid: INHALATION: REMOVE TO FRESH AIR. RESTORE NORMAL BREATHING. TREAT SYMPTOMATICALLY. SEE PHYSICIAN. SKIN: WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT PHYSICIAN IF IRRITATION PERSISTS. EYES: FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. INGESTION: DRINK 1 OR 2 GLASSES OF WATER TO DILUTE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. CONTACT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.

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Fire Fighting Measures
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Flash Point Method: SCC
Flash Point: =37.8C, 100.F
100F
Lower Limits: 1
Upper Limits: 11.20
Extinguishing Media: CO2, FOAM, DRY CHEMICAL.
Fire Fighting Procedures: WEAR FULL PROTECTIVE EQUIPMENT, SELF-CONTAINED BREATHING APPARATUS. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.
Unusual Fire/Explosion Hazard: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT AND PRESSURE BUILD UP. ISOLATE FROM ELECTRICAL EQUIPMENT, SPARKS, HEAT AND OPEN FLAME. VAPORS MAY SPREAD LONG DISTANCES, CAUSE FLASH FIRE OR IGNITE EXPLOSIVELY.

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Accidental Release Measures
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Spill Release Procedures: REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS. VENTILATE AREA. USE ABSORBENT, INERT, CLEANUP MATERIALS. (DO NOT USE SAWDUST.) REMOVE ABSORBENT MATERIAL WITH NON-SPARKING TOOLS. PLACE IN SEPARATE CONTAINER. KEEP OUT OF SEWERS AND WATERWAYS. IF ENTRY IS THREATENED OR OCCURS, NOTIFY LOCAL AUTHORITIES.

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Handling and Storage
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Handling and Storage Precautions: KEEP CONTAINER CLOSED, UPRIGHT WHEN NOT IN USE. STORE IN COOL, DRY, WELL-VENTILATED AREA. AVOID PROLONGED STORAGE

E TEMPERATURES ABOVE 100' F.

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

Respiratory Protection:NIOSH/MSHA CERTIFIED RESPIRATOR. FOR SPECIFIC CONDITIONS, REFER TO CURRENT NIOSH POCKET GUIDE TO CHEMICAL HAZARDS. USE AIR-LINE RESPIRATORS IN CONFINED OR RESTRICTED VENTILATION AREAS. REFER TO 29 CFR, OSHA PARTS 1910 AND 1915 FOR COATING OPERATIONS.

Ventilation:SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINANT CONCENTRATIONS BELOW TLV LIMITS.

Protective Gloves:NEOPRENE, OTHER SUITABLE IMPERVIOUS MATERIALS FOR SOLVENT(S).

Eye Protection:SPLASH PROOF GOGGLES OR FACE SHIELD.

Other Protective Equipment:FULL PROTECTIVE CLOTHING, SPARK PROOF EQUIPMENT.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING, SMOKIN, OR USING WASHROOM. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
REMOVE WELDING OR FLAME CUTTING DECOMPOSITION PRODUCTS. REFER TO 29 CFR, OSHA PARTS 1910 AND 1915 FOR COATING OPERATIONS.

===== Physical/Chemical Properties =====

Boiling Pt:>100.C, 212.F

B.P. Text:212-244F

Vapor Density:>AIR

Spec Gravity:8.0 LBS/GALLON

VOC Pounds/Gallon:288

Evaporation Rate & Reference:LOW: 0.50; HI: 2.0

Appearance and Odor:LIQUID/SOLVENT ODOR

Percent Volatiles by Volume:49.5

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS, ACIDS, ALKALIES.

Stabil

ity Condition to Avoid:HEAT, OPEN FLAME, ARC OR SPARKS.

Hazardous Decomposition Products:CO, CO2.

===== Toxicological Information =====

Toxicological Information:VM & P NAPTHA: LC50 3400 PPM (INHALE RAT)
ETHYLENEDIAMINE: LD50 0.70G/KG ; LC50 200 PPM

===== Disposal Considerations =====

Waste Disposal Methods:PLACE IN SEPARATE, APPROPRIATE, CLOSED CONTAINER
IN ACCORDANCE WITH ALL APPLICABLE LOCAL, DSTATE, AND FEDERAL

REGULATIONS. THIS MATERIAL HAS NOT BEEN TESTED BY TOXICITY
CHARACTERISTIC.

===== MSDS Transport Information =====

Transport Information:DOT: PAINT UN# 1263

===== Regulatory Information =====

SARA Title III Information:ALL INGREDIENTS ARE ON TSCA INVENTORY OR ARE
EXEMPT. (SARA, CERCLA, HAPS) TOXIC CHEMICAL SUBJECT TO REPORTING
REQUIRMENTS OF SARA AND CERCLA (40 CFR 302, 355, 372) OR HAPS (40
CFR 63) 1) BUTYL A

LCOH OL 2) ETHYLENEDIAMINE

State Regulatory Information:

===== Other Information =====

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