

COLD GALVANIZING COMPOUND (AEROSOL)

MSDS Number

BJDKQ

National Stock Number

8030-01-015-1550

Product Name

COLD GALVANIZING COMPOUND (AEROSOL)

Manufacturer

ZRC PRODUCTS COMPANY

Product Identification

Product ID: COLD GALVANIZING COMPOUND (AEROSOL)

MSDS Date: 03/01/1988

FSC: 8030

NIIN: 01-015-1550

MSDS Number: BJDKQ

Responsible Party

ZRC PRODUCTS COMPANY

21 NEWPORT AVENUE

QUINCY, MA 02171

US

Emergency Phone: 617-328-6700

Info Phone: 617-328-6700

Cage: MO538

Contractor

ZRC PRODUCTS COMPANY

QUINCY, MA 02171

US

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Cage: MO538

Ingredients

METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS: 78-93-3

RTECS: EL6475000

Fraction By Weight: 20%

OSHA PEL200 PPM/300 STEL

ACGIH TLV: 200 PPM/300 STEL 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

ZINC (SARA III)

CAS: 7440-66-6

RTECS: ZG8600000

Fraction By Weight: 38.4%

OSHA PEL10 MG ZNO/M3

ACGIH TLV: 10 MG ZNO/M3; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: 10 - 20%

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: 10 - 20%

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

N-BUTYL ACETATE (SARA III)

CAS: 123-86-4

RTECS: AF7350000

Fraction By Weight: 5%

OSHA PEL150 PPM/200 STEL

ACGIH TLV: 150 PPM/200STEL;9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

PROPANE

CAS: 74-98-6

RTECS: TX2275000

Fraction By Weight: 10 - 23%

OSHA PEL1000 PPM

ACGIH TLV: ASPHYXIAN; 9192

ISOBUTANE

CAS: 75-28-5

RTECS: TZ2430000

Fraction By Weight: 10%

OSHA PEL1000 PPM 1800 MG/M3

ACGIH TLV: 1000 PPM,1800 MG/M3

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Health Hazards Acute and Chronic:PROLONGED/REPEATED OVEREXP TO SOLV W/PERM BRAIN DAM & CENTRAL NER SYS. MINOR EMBRYOTOXIC/FETOTOXIC EFFECT HAVE BEEN REPORTED IN 1 SOLV FOR MOST GESTATION PERIODBY INHALE: FUMES, FEVER, ZINC SHAKES & D EPRESSION, FATAL POISONING. ASPIRATION:MAY CAUSE PNEUMONITIS. CONTACT WITH SKIN MAY DEFAT TISSUE AND CAUSE DERMATITIS.

Effects of Overexposure:PROPANE IS AN ASPHYXIANT. DROWSINESS, DIZZINESS, HEADACHE, SLURRED SPEECH, INTOXICATION W/EUPHORIA &/OR DEPRESS LEAD TO STUPOR & UNCONSC. NOSE/THROAT IRRITATE. EYES: TEARS, BURN, IRRI, CONJUNCTIVITIS. ASPIRATION IF INGESTED. DON'T INDUCEVOMIT, CAUSE CHEM PNEUMONITIS. WELD/BURN OPERATIONS HZD DECOMP PRODUCTS MAY PROD

Medical Cond Aggravated by Exposure:RESPIRATORY, BRAIN & CENTRAL NERVOUS SYSTEM CONDI-TIONS, DERMATITIS & OTHER SKIN AFFLICTIONS.

First Aid

First Aid:INHALE: REMOVE TO FRESH AIR. KEEP WARM/QUIET. GIVE CPR IF REQUIRED. GET MED AID.EYES: WASH EYES IMMED W/LARGE AMTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO PHYSICIAN FOR MED ATTN. SKIN: WASH CONTA CT AREA PROMPTLY WITH SOAP & WATER. PROMPTLY REMOVE CONTAM CLOTHES. CONSULT PHYSICIAN, IF IRRI PERSIST. INGEST: DON'T INDUCE VOMIT WITHOUT MED ADVISE. CONSULT PHYSICIAN, EMER ROOM, POISON CONTROL CENT

Fire Fighting

Flash Point Method:TOC

Flash Point:NR

Lower Limits:0.9

Upper Limits:66.4

Extinguishing Media:CLASS B EXTINGUISHER FOAM/DRY CHEMICAL. DON'T USE WATER. HIGHLY FLAMMABLE LIQUID WILL EXPLODED ONCE IGNITED.

Fire Fighting Procedures:USE FULL PROTECT. EQUIP. AND SELF-CONTAINED BREATHING APPARATUS. KEEP CONTAINERSCLOSED. VAPORS TRVL AT GROUND LEVEL TO IGN SOURCE DAMAGE CANS CALL:617-328-6700

Unusual Fire/Explosion Hazard:USE WATER ONLY TO COOL CNTRS FROM AUTO IGNITE. MOIST/ACID, GASEOUS OXIDES CAN CONTAM AIR RESULT IN HYDROGEN GAS EVOLUTION CAUSE CANS BULDGE W/PRESS DON'T MOVE

Accidental Release

Spill Release Procedures:MASSIVE SPILLS, EVACUATE AREA. ELIM IGNITION SOURCES. DIKE/CONTAIN SPILL W/DRY INERT MATERIAL, SAND,EARTH, ETC. ELIM SOURCES OF MOIST, DON'T USE WATERRECOVER AS MUCH AS POSSIBLE, USE ABSORBENT TO PICK UP. AVOID DISCHARGE DIRECT INTO SEWER/SURFACE WTR

Handling

Handling and Storage Precautions:EXTREMELY FLAMM LIQ. STORE IN COOL, CLEAN, WELL VENTED FIRE RESISTANT STORAGE/SOLVENT STORAGE CABNOSHA REGULATED. DON'T STORE IN DIRECT SUNLIGHT.

Other Precautions:STORE LG AMTS IN BLDG MEETING OSHA REQ. EXCLUDE ALL SOURCES OF OPEN FLAME,HEAT,SMOKE. ENSURE VENT. DON'T STORE ABOVE 120F. AVOID PROLONGED CONTACT W/SKIN. DON'TPUNCT DRAG, SLIDE CONTAIN. DEFORMED CAN. DON'T MOVE ETC. FLAMMABLE

Exposure Controls

Respiratory Protection:OUTDOOR/OPEN AREAS W/UNRESTRICT VENT, USE APPV. HIGH EFFFICIENT MECH RESPIRATOR TO REMOVE PARTICLES OF OVERSPRAY. RESTRICTED USE HIGH EFFICIENT CHEM/MECH FILTERONFINED AREAS USE APPROVED AIR LINE TYPE RESPIRATOR.

Ventilation: EXHAUST TO MAINTAIN VAPOR LEVELS BELOW TLV. HIGH EFFICIENT RESPIRATOR FULL FACE CANISTER TYPE AT LEAST 100 LFM
Protective Gloves: NEOPRENE GLOVES AND PROTECTIVE CREAMS
Eye Protection: SAFETY GOGGLES W/UNPERFORATED SIDESHIELD
Other Protective Equipment: VENT EQUIP EXPLOSION PROOF NON-SPARKING TYPE TOOLS. CHEM RESISTANT BOOTS. WASH/DISCARD CONTAM CLOTHING, SAFETY SHOWERS.
Work Hygienic Practices: AN EYE WASH FOUNTAIN SHOULD ALSO BE AVAILABLE IN AREAS WHERE SPLASHING IS POSSIBLE. WHEN SKIN CONTACT LIKELY USE CREAMS.
Supplemental Safety and Health
ANY DEFORMED CANS SHOULD NOT BE MOVED, OPENED OR PUNCTURED, CALL 617-328-6700./ DO NOT TAKE INTERNALLY. KEEP AWAY FROM CHILDREN.
EMPTY CONTAINER MAY CONTAIN EXTREMELY FLAMMABLE RESIDUES AND EXPLODE IF HEATED. IF RECOMMENDED SOLID WASTE BELANDFILLED ONLY AT APPROVED HAZARDOUS DISPOSAL SITE USING APPROVED CONTRACTOR.

Chemical Properties

HCC: V3
Boiling Pt: B.P. Text: -42.1 TO 144C
Vapor Pres: 50+10M@21C
Vapor Density: > THAN AIR
Spec Gravity: 1.14
Evaporation Rate & Reference: FASTER THAN ETHER PROPEL
Solubility in Water: INSIGNIFICANT REACTS
Appearance and Odor: GREY LIQUID W/ODOR TYPICAL OF ALIPHATIC & AROMATIC HYDROCARBONS MIXED W/KETONE
Percent Volatiles by Volume: 54%

Stability

Stability Indicator/Materials to Avoid: YES
OXIDIZING AGENTS CHLORINE, OXYGEN, WATER, WEAK, ACIDS, ALKALINES
Stability Condition to Avoid: STABLE UNDER NORMAL HANDL/STORE CONDITONS FROM OXIDIZING AGENTS AS CHLORINE, OXYGEN, WATER, ACIDS AND ALKALIES.
Hazardous Decomposition Products: THERMAL, WATER, ALKALI CONTACT MAY PROD HYDROGEN ACCOM WITH RISK OF EXPLD/FIRE & FUMES OF ZINC OXIDES, CARBON, NITROGEN.
Conditions to Avoid Polymerization: ACID CONTACT WILL PRODUCE HYDROGEN.

Disposal

Waste Disposal Methods: DISPOSE OF ABSORBENT/FREE WASTE LIQ IN DRY CONTAINERS. DISPOSE ALL/INCLUDING EMPTY CANS ACCORD TO LOCAL, STATE & FED REG. DON'T INCINERATE/FLUSH TO SEWERS. MAY EXPLODE IF HEATED EVEN EMPTY. RECOMMEND SOLID WASTE LANDFILL ONLY APPROVED HAZARD DISPOSAL SITES

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