

Z R C CHEMICAL PRODUCTS CO -- ZRC COLD GALVANIZING COMPOUND (AEROSOL) --
8030-01-015-1550

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

Product ID:ZRC COLD GALVANIZING COMPOUND (AEROSOL)

MSDS Date:01/01/1989

FSC:8030

NIIN:01-015-1550

MSDS Number: BMZGL

=== Responsible Party ===

Company Name:Z R C CHEMICAL PRODUCTS CO

Address:21 NEWPORT AVE

City:QUINCY

State:MA

ZIP:02171

Country:US

Info Phone Num:617-328-670

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Emergency Phone Num:617-328-6700/800-424-9300 CHEMTREC

CAGE:07957

=== Contractor Identification ===

Company Name:Z R C CHEMICAL PRODUCTS CO

Address:21 NEWPORT AVE

Box:City:NORTH QUINCY

State:MA

ZIP:02171-2635

Country:US

CAGE:07957

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

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 20%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:200 PPM

ACGIH TLV:200 PPM/300STEL;9394

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PA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 38.4%
Other REC Limits:NONE SPECIFIED
OSHA PEL:50 MPPCF TWA (DUST)
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ZINC OXIDE
CAS:1314-13-2
RTECS #:ZH4810000
Fraction by Wt: 1.6%
Other REC Limits:*FUME / #DUST
OSHA PEL:15MG/M3 TDUST/5 FUME
ACGIH TLV:10MG/M3 TDUST; 9293

Ingred Name:XYLENE (SARA 313) (VAPOR PRESSURE 6 MM @ 20 C) (LEL 1.0)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt
: 10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100PPM TWA/435 MG/M3
ACGIH TLV:100 PPM/150 PPM STEL
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:N-BUTYL ACETATE (VAPOR PRESSURE 9 MM @ 20 C) (LEL 1.7)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM TWA
ACGIH TLV:150 PPM/200 PPM STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:PROPANE (VAPOR PRESSURE 123 PSIA @ 70 F) (LEL 2.3)
CAS:74-98-6
RTECS #:TX2275000
Fraction by Wt: 10%
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ther REC Limits:NONE SPECIFIED
OSHA PEL:1000 PPM TWA
ACGIH TLV:100 PPM TWA

Ingrid Name:ISOBUTANE (VAPOR PRESSURE 45 PSIA @ 70 F) (LEL 1.8)
CAS:75-28-5
RTECS #:TZ4300000
Fraction by Wt: 10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1000 PPM TWA
ACGIH TLV:1000 PPM TWA

===== Hazards Identification =====

Health Hazards Acute and Chronic:ASPHYXIANT, CENTRAL NERVOUS SYSTEM
DEPRESSANT. SKIN: DERMATITIS. EYE: IRRITATION, CONJUNCTIVITIS.
INGESTION: FATAL. AVOID
ASPIRATION IF INGESTED. LUNG CONTACT MAY
CAUSE CHEM PNEUMONITIS. INHALATION: Z INC SHAKES, FUME FEVER, ETC.
CHRONIC PERM BRAIN/CENTRAL NERV SYS DAMAGE. MINOR
EMBRYOTOXIC/FETOTOXIC EFFECTS IN ANIMALS.
Effects of Overexposure:OVEREXPOSURE: DROWSINESS, DIZZINESS, HEADACHE,
SLURRED SPEECH, INTOXICATION W/EUPHORIA AND/OR DEPRESSION LEADING
TO STUPOR & UNCONSCIOUSNESS. NOSE/THROAT IRRITATION. EYE: TEARING,
BURNING.
Medical Cond Aggravated by Exposure:RESPIRATORY, BRAIN, AND CE
NTRAL
NERVOUS SYSTEM CONDITIONS, DERMATITIS, AND OTHER SKIN AFFLICTIONS.

===== First Aid Measures =====

First Aid:IHNAL: REMOVE TO FRESH AIR. KEEP WARM/QUIET. GIVE ARTIF RESP
IF REQUIRED. GET MED ASSISTANCE. EYES: WASH IMMED W/LARGE AMOUNTS
OF WATER FOR AT LEAST 15 MIN. TAKE TO DR FOR MED ATTENTION. SKIN:
WASH C ONTACT AREA PROMPTLY W/SOAP & WATER. PROMPTLY REMOVE PAINT
WET CLOTHING. CONSULT DR IF IRRIT PERSISTS. INGEST: DON'T INDUCE
VOMIT W/OUT MED ADVISE. CONSULT DR, EMERG ROOM, POISON CNTRL CTR
IMMED.

===== Fire Fighting Measures =====

Flash Point Method:TOC
Flash Point:20.0F,-6.7C
Lower Limits:0.9
Upper Limits:66.4
Extinguishing Media:CLASS B FIRE EXTINUISHER, FOAM, DRY CHEMICAL. DO
NOT USE WATER. COMBUSTION IN LTD AIR GENERATES CARBON MONOXIDE.
Fire Fighting Procedures:USE FULL PROTECT EQUIP & SCBA IN ENCLOSED
AREAS. HEATED PROD HIGHLY FLAMM/MODERATE EXPLOS. IGNIT, WILL

BURN

READILY IN AIR. DON'T USE WATER.

Unusual Fire/Explosion Hazard:KEEP CNTNR CLSD/AWAY FROM HEAT/IGNIT SOURCE. EXPLOS POSSIBLE W/AIR. CLSD CNTNR EXPLOD/BURST W/HEAT. APPLICATION TO HOT SURFACES REQUIRED SPECIAL PRECAUTIONS. *

===== Accidental Release Measures =====

Spill Release Procedures:LARGE: EVAC AREA. ALL: ELIM IGNIT SOURCE. DIKE/CONTAIN W/DRY INERT MAT'L. ELIM MOISTURE SOURCES. DON'T USE WTR. RECOVER FREE LIQ. USE ABSORB ON RESIDUE. AVO

ID DISCHARGING

PAINT INTO SEWER/SURFACES WAT ERS. DON'T FLUSH W/WTR. USE NON-SPARKING TOOLS.

===== Handling and Storage =====

Handling and Storage Precautions:EXTREM FLAMM. STORE IN COOL, CLEAN, VENTED FIRE RESIST RM/SOLVENT STOR CABINET (OSHA REQUIRMNTS). AVOID DIRECT SUNLIGHT/FLAME/HEAT. AVOID SKIN CONTACT

Other Precautions:STORE LRG QUANTITIES IN BLDGS (OSHA 1910.1050). NO SMOKING. DON'T PUNCTURE/DRAW/SLIDE CNTNR. DON'T STORE ABOVE 120F

DON'T MOVE CALL 617-328-6700 FOR DEFORMED CANS. DON'T EAT. KEEP FROM CHILDREN. EMPT Y CNTNR MAY BE EXTREME FLAMM/EXPLOSIVE.

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

Respiratory Protection:IN OUTDOOR/OPEN AREAS W/UNRESTRICTED VENT, USE HIGH EFFICIENCY RSPRTR (REMOVE OVERSPRAY PARTICLES DURING SPRAY APPLIC). IN RESTRICTED VENT, USE HIGH EFFIC CHEM/MECHAN FILTERS (REMOVE PARTIC/VAPOR). CO NFINED AREA, AIR LINE TYPE RSPRTR/HOODS.

Ventilation:EXHAUST

VENT IN ACCOR W/OSHA 29 CFR 1910.107D TO MAINTAIN TLV. EXHAUST LEVELS SHOULD BE MAINTAINED AT LEAST 100 IFM.

Protective Gloves:NEOPRENE GLOVES

Eye Protection:SAFETY GOGGLES W/UNPERFORATED SIDE SHLDS

Other Protective Equipment:NEOPRENE APRONS, PROTECTIVE CREAMS, CHEM BOOTS, EYE WASH FOUNTAIN, SAFETY SHOWERS. VENT EQUIP SHOULD BE EXPLOS-PROOF.

Work Hygienic Practices:REMOVE & WASH/DISCARD CONTAMINATED CLOTHING.

Supplemental Safety and Health

* DURING EMERG COND, OVEREXPOS (DECOMP PROD

-GASEOUS CARBON/NITROGEN

OXIDES) MAY BE HLTH HZRD. SYMP OF EXPOS NOT IMMED APPARENT. GET MED AID. HEAVIER THAN AIR, MAY FLOW ALONG SURFACES TO IGNIT SOURCE & FLASH BACK. MOISTURE/ACID CONTAM CAN RESULT IN HYDROGEN GAS (CNTNRS BULGE W/PRESSURE). PREVENT WTR ACCESS TO WET PAINT.

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

HCC:V3

Boiling Pt:B.P. Text:-42.1TO144C

Vapor Pres:50 @ 21C

Vapor Density:> AIR.

Spec Gravity:1.14

Evaporation Rate & Reference:FA

STER THAN ETHER/PROPELL

Solubility in Water:INSIGNIFICANT.

Appearance and Odor:GREY LIQUID W/ODOR TYPICAL OF ALIPHATIC & AROMATIC HYDROCARBONS MIXED W/KETONE.

Percent Volatiles by Volume:54

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS (CHLORINE, OXYGEN), ALL ACIDS, ALKALIES & WATER. AVOID DUSTING & ACCUMULATIONS OF SPRAY RESIDUES.

Hazardous Decomposition Products:HYDROGEN ACCOMPANIED W/EXPLOS/FIRE RI

SK. ZINC OXIDES, OXIDES OF CARBON & NITROGEN W/HEAT. ACID CONTACT PRODUCE HYDROGEN.

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

Waste Disposal Methods:DISPOSE ABSORBED MAT'L/FREE WASTE LIQ IN DRY CNTNRS. DISPOSE MAT'L (EMPTY CANS TOO) ACCORDING TO LOCAL/STATE/FED REGS. DON'T BURN/FLUSH TO SEWERS. CNTNRS MAY EXPLODE W/HEAT EVEN WHEN EMPTY. RECOMM SOL ID WASTE BE LANDFILLED ONLY AT HZD DISPOSAL SITES.

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