

ZRC PRODUCTS COMPANY -- COLD GALVANIZING COMPOUND (AEROSOL) -- 8030-01-015-1550
===== Product Identification =====

Product ID:COLD GALVANIZING COMPOUND (AEROSOL)

MSDS Date:03/01/1988

FSC:8030

NIIN:01-015-1550

MSDS Number: BJDKQ

=== Responsible Party ===

Company Name:ZRC PRODUCTS COMPANY

Address:21 NEWPORT AVENUE

City:QUINCY

State:MA

ZIP:02171

Country:US

Info Phone Num:617-328-6700

Emergency Phone

Num:617-328-6700

CAGE:MO538

=== 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

Company Name:ZRC PRODUCTS COMPANY

Address:21 NEWPORT AVENUE

Box:City:QUINCY

State:MA

ZIP:02171

Country:US

Phone:617-328-6700

CAGE:MO538

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

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

CAS:78-93-3

RTECS #:EL6475000

Fractio

n by Wt: 20%
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 38.4%
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 10%
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 10%
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:N-BUTYL ACETATE (SARA III)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 5%
OSHA PEL:150 PPM/200 STEL
ACGIH TLV:150 PPM/200STEL;9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:PROPANE
CAS:74-98-6
RTECS #:TX2275000
Fraction by Wt: 10%
OSHA PEL:1000 PPM
ACGIH TLV:ASPHYXIAN; 9192

Ingrd Name:ISOBUTANE
(45 PSI @ 70F)
CAS:75-28-5
RTECS #:TZ2430000
Fraction by Wt: 10%
OSHA PEL:1000 PPM 1800 MG/M3
ACGIH TLV:1000 PPM,1800 MG/M3

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

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
IN
HALE: 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 Measures =====

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 REMOV
E
CONTAM CLOTHES. CONSULT PHYSICIAN, IF IRRI PERSIST. INGEST: DON'T
INDUCE VOMIT WITHOUT MED ADVISE. CONSULT PHYSICIAN, EMER ROOM,
POISON CONTROL CENT

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

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 SEL

F-CONTAINED

BREATHING APPARATUS. KEEP CONTAINERS CLOSED. 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 Measures =====

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 and Storage =====

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/Personal Protection =====

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

PROVED 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.

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

HCC:V3
Boiling Pt:B.P. Text:-42.1TO144C
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 and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS CHLORINE, OXYGEN
, WATER, WEAK, ACIDS, ALKALINES
Stability Condition to Avoid:STABLE UNDER NORMAL HANDL/STORE CONDCTIONS 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 Considerations =====

Waste Disposa
I Methods:DISPOSE OF ABSORBENT/FREE WASTE LIQ IN DRY
CONTAINDISPOSE 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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