

# Safety Data Sheet

## Supply Co. - ZINC-IT INSTANT COLD GALVANIZE 18412

Document Nbr: 077831  
Class C Parts IDs C18412,C18412-1

CRC(R\*)

SAFETY DATA SHEET

-----1. IDENTIFICATION -----

PRODUCT IDENTIFIER: ZINC-IT(R\*) INSTANT COLD GALVANIZE

OTHER MEANS OF IDENTIFICATION:

PRODUCT CODE: 18412

RECOMMENDED USE: COATING

RECOMMENDED RESTRICTIONS: NONE KNOWN.

MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION:

MANUFACTURED OR SOLD BY:

COMPANY NAME: CRC INDUSTRIES, INC.

ADDRESS:

885 LOUIS DR.

WARMINSTER, PA 18974

US

TELEPHONE:

GENERAL INFORMATION: 215-674-4300

TECHNICAL ASSISTANCE: 800-521-3168

CUSTOMER SERVICE: 800-272-4620

24-HOUR EMERGENCY (CHEMTREC):

800-424-9300 (US)

703-527-3887 (INTERNATIONAL)

WEBSITE: [WWW.CRCINDUSTRIES.COM](http://WWW.CRCINDUSTRIES.COM)

-----2. HAZARD(S) IDENTIFICATION -----

PHYSICAL HAZARDS:

FLAMMABLE AEROSOLS: CATEGORY 1

GASES UNDER PRESSURE: LIQUEFIED GAS

HEALTH HAZARDS:

SKIN CORROSION/IRRITATION: CATEGORY 2

REPRODUCTIVE TOXICITY (THE UNBORN CHILD): CATEGORY 2

SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE: CATEGORY 3 NARCOTIC EFFECTS

SPECIFIC TARGET ORGAN TOXICITY, REPEATED EXPOSURE: CATEGORY 2

ASPIRATION HAZARD: CATEGORY 1

ENVIRONMENTAL HAZARDS:

HAZARDOUS TO THE AQUATIC ENVIRONMENT, ACUTE HAZARD: CATEGORY 1

HAZARDOUS TO THE AQUATIC ENVIRONMENT, LONG-TERM HAZARD: CATEGORY 1

OSHA DEFINED HAZARDS: NOT CLASSIFIED.

LABEL ELEMENTS:

FLAME

GAS CYLINDER

HEALTH HAZARD

EXCLAMATION MARK

SIGNAL WORD: DANGER

HAZARD STATEMENT:

EXTREMELY FLAMMABLE AEROSOL. CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SKIN IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. SUSPECTED OF DAMAGING THE UNBORN CHILD. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. VERY TOXIC TO AQUATIC LIFE. VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

PRECAUTIONARY STATEMENT:

PREVENTION:

OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING. DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE. DO NOT APPLY WHILE EQUIPMENT IS ENERGIZED. PRESSURIZED CONTAINER: DO NOT PIERCE OR BURN, EVEN AFTER USE. EXTINGUISH ALL FLAMES, PILOT LIGHTS AND HEATERS. VAPORS WILL ACCUMULATE READILY AND MAY IGNITE. USE ONLY WITH ADEQUATE VENTILATION; MAINTAIN VENTILATION DURING USE AND UNTIL ALL VAPORS ARE GONE. OPEN DOORS AND WINDOWS OR USE OTHER MEANS TO ENSURE A FRESH AIR SUPPLY DURING USE AND WHILE PRODUCT IS DRYING. IF YOU EXPERIENCE ANY SYMPTOMS LISTED ON THIS LABEL, INCREASE VENTILATION OR LEAVE

THE AREA. DO NOT BREATHE GAS. DO NOT BREATHE MIST OR VAPOR. WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. WASH THOROUGHLY AFTER HANDLING.

RESPONSE:

IF SWALLOWED:

IMMEDIATELY CALL A POISON CENTER/DOCTOR. DO NOT INDUCE VOMITING.

IF ON SKIN: WASH WITH PLENTY OF WATER.

IF SKIN IRRITATION OCCURS:

GET MEDICAL ATTENTION. TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

IF INHALED:

REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. CALL A POISON CENTER/DOCTOR IF YOU FEEL UNWELL.

IF EXPOSED OR CONCERNED: GET MEDICAL ATTENTION.

STORAGE:

STORE IN A WELL-VENTILATED PLACE. STORE LOCKED UP. PROTECT FROM SUNLIGHT.

DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. F. EXPOSURE TO

HIGH TEMPERATURE MAY CAUSE CAN TO BURST.

DISPOSAL:

DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH  
LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS.

HAZARD(S) NOT OTHERWISE CLASSIFIED (HNOC): NONE KNOWN.

SUPPLEMENTAL INFORMATION:

39.77% OF THE MIXTURE CONSISTS OF COMPONENT(S) OF UNKNOWN ACUTE HAZARDS TO  
THE AQUATIC ENVIRONMENT. 39.77% OF THE MIXTURE CONSISTS OF COMPONENT(S) OF  
UNKNOWN LONG-TERM HAZARDS TO THE AQUATIC ENVIRONMENT.

-----3. COMPOSITION/INFORMATION ON INGREDIENTS -----

MIXTURES:

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS NUMBER	%
ZINC, ELEMENTAL		7440-66-6	40 - 50
PROPANE		74-98-6	10 - 20

TOLUENE	108-88-3	10 - 20
N-BUTANE	106-97-8	5 - 10
STODDARD SOLVENT	8052-41-3	5 - 10
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	3 - 5
ISOPROPYL ALCOHOL	67-63-0	1 - 3
SILICIC ACID, ALUMINUM SODIUM SALT	1344-00-9	1 - 3
ZINC OXIDE	1314-13-2	1 - 3
N-METHYL-2-PYRROLIDONE	872-50-4	<0.3

SPECIFIC CHEMICAL IDENTITY AND/OR PERCENTAGE OF COMPOSITION HAS BEEN  
WITHHELD AS A TRADE SECRET.

-----4. FIRST-AID MEASURES -----

INHALATION:

REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

SKIN CONTACT:

TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE. WASH WITH PLENTY OF SOAP AND WATER.

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION.

EYE CONTACT:

RINSE WITH WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS.

INGESTION:

CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. RINSE MOUTH. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD LOW SO THAT STOMACH CONTENT DOESN'T GET INTO THE LUNGS. ASPIRATION MAY CAUSE PULMONARY EDEMA AND PNEUMONITIS.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

VAPORS HAVE A NARCOTIC EFFECT AND MAY CAUSE HEADACHE, FATIGUE, DIZZINESS



AND NAUSEA. MAY CAUSE REDNESS AND PAIN. MAY CAUSE DROWSINESS OR DIZZINESS.

PROLONGED EXPOSURE MAY CAUSE CHRONIC EFFECTS.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

PROVIDE GENERAL SUPPORTIVE MEASURES AND TREAT SYMPTOMATICALLY.

GENERAL INFORMATION:

IF EXPOSED OR CONCERNED:

GET MEDICAL ADVICE/ATTENTION. ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED, AND TAKE PRECAUTIONS TO PROTECT THEMSELVES.

-----5. FIRE-FIGHTING MEASURES -----

SUITABLE EXTINGUISHING MEDIA: POWDER. FOAM. DRY SAND. CARBON DIOXIDE (CO<sub>2</sub>).

UNSUITABLE EXTINGUISHING MEDIA:

WATER. DO NOT USE WATER JET AS AN EXTINGUISHER, AS THIS WILL SPREAD THE FIRE.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

CONTENTS UNDER PRESSURE. PRESSURIZED CONTAINER MAY EXPLODE WHEN EXPOSED TO HEAT OR FLAME.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

FIREFIGHTERS MUST USE STANDARD PROTECTIVE EQUIPMENT INCLUDING FLAME RETARDANT COAT, HELMET WITH FACE SHIELD, GLOVES, RUBBER BOOTS, AND IN ENCLOSED SPACES, SCBA.

FIRE-FIGHTING EQUIPMENT/INSTRUCTIONS:

IN CASE OF FIRE:

STOP LEAK IF SAFE TO DO SO. DO NOT MOVE CARGO OR VEHICLE IF CARGO HAS BEEN EXPOSED TO HEAT. MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK. CONTAINERS SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILD UP. FOR MASSIVE FIRE IN CARGO AREA, USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES, IF POSSIBLE. IF NOT, WITHDRAW AND LET FIRE BURN OUT. MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK.

SPECIFIC METHODS:

MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK.

GENERAL FIRE HAZARDS: EXTREMELY FLAMMABLE AEROSOL.

-----6. ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

KEEP UNNECESSARY PERSONNEL AWAY. KEEP PEOPLE AWAY FROM AND UPWIND OF SPILL/LEAK. KEEP OUT OF LOW AREAS. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. DO NOT BREATHE MIST OR VAPOR. DO NOT TOUCH DAMAGED CONTAINERS OR SPILLED MATERIAL UNLESS WEARING APPROPRIATE PROTECTIVE CLOTHING. VENTILATE CLOSED SPACES BEFORE ENTERING THEM. LOCAL AUTHORITIES SHOULD BE ADVISED IF SIGNIFICANT SPILLAGES CANNOT BE CONTAINED. FOR PERSONAL PROTECTION, SEE SECTION 8 OF THE SDS. DO NOT BREATHE GAS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

ELIMINATE ALL IGNITION SOURCES (NO SMOKING, FLARES, SPARKS, OR FLAMES IN IMMEDIATE AREA). KEEP COMBUSTIBLES (WOOD, PAPER, OIL, ETC.) AWAY FROM SPILLED MATERIAL. THIS PRODUCT IS MISCIBLE IN WATER. THIS MATERIAL IS CLASSIFIED AS A WATER POLLUTANT UNDER THE CLEAN WATER ACT AND SHOULD BE PREVENTED FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS WHICH LEAD TO WATERWAYS. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. MOVE THE CYLINDER TO A SAFE AND OPEN AREA IF THE LEAK IS IRREPARABLE. ISOLATE AREA UNTIL GAS HAS DISPERSED. COVER WITH PLASTIC SHEET TO PREVENT SPREADING. ABSORB IN VERMICULITE, DRY SAND OR EARTH AND PLACE INTO CONTAINERS.

SMALL SPILLS:

WIPE UP WITH ABSORBENT MATERIAL (E.G. CLOTH, FLEECE). CLEAN SURFACE

THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION. FOR WASTE DISPOSAL, SEE SECTION 13 OF THE SDS.

ENVIRONMENTAL PRECAUTIONS:

AVOID RELEASE TO THE ENVIRONMENT. CONTACT LOCAL AUTHORITIES IN CASE OF SPILLAGE TO DRAIN/AQUATIC ENVIRONMENT. PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT CONTAMINATE WATER. AVOID DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND.

-----7. HANDLING AND STORAGE -----

PRECAUTIONS FOR SAFE HANDLING:

OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

PRESSURIZED CONTAINER:

DO NOT PIERCE OR BURN, EVEN AFTER USE. DO NOT USE IF SPRAY BUTTON IS MISSING OR DEFECTIVE. DO NOT SPRAY ON A NAKED FLAME OR ANY OTHER INCANDESCENT MATERIAL. DO NOT SMOKE WHILE USING OR UNTIL SPRAYED SURFACE IS THOROUGHLY DRY. DO NOT CUT, WELD, SOLDER, DRILL, GRIND, OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION. ALL EQUIPMENT USED WHEN HANDLING THE PRODUCT MUST BE GROUNDED. DO NOT RE-USE EMPTY CONTAINERS.

DO NOT BREATHE MIST OR VAPOR. DO NOT BREATHE GAS. AVOID CONTACT WITH SKIN.  
AVOID CONTACT WITH EYES. AVOID CONTACT DURING PREGNANCY/WHILE NURSING.  
AVOID PROLONGED EXPOSURE. USE ONLY IN WELL-VENTILATED AREAS. USE CAUTION  
AROUND ENERGIZED EQUIPMENT. THE METAL CONTAINER WILL CONDUCT ELECTRICITY IF  
IT CONTACTS A LIVE SOURCE. THIS MAY RESULT IN INJURY TO THE USER FROM  
ELECTRICAL SHOCK AND/OR FLASH FIRE. WEAR APPROPRIATE PERSONAL PROTECTIVE  
EQUIPMENT. WHEN USING, DO NOT EAT, DRINK OR SMOKE. WASH HANDS THOROUGHLY  
AFTER HANDLING. AVOID RELEASE TO THE ENVIRONMENT. DO NOT EMPTY INTO DRAINS.  
OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES. FOR PRODUCT USAGE INSTRUCTIONS,  
PLEASE SEE THE PRODUCT LABEL.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

LEVEL 3 AEROSOL.

STORE LOCKED UP. PRESSURIZED CONTAINER. PROTECT FROM SUNLIGHT AND DO NOT  
EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. F. DO NOT PUNCTURE,  
INCINERATE OR CRUSH. DO NOT HANDLE OR STORE NEAR AN OPEN FLAME, HEAT OR  
OTHER SOURCES OF IGNITION. THIS MATERIAL CAN ACCUMULATE STATIC CHARGE WHICH  
MAY CAUSE SPARK AND BECOME AN IGNITION SOURCE. STORE IN A WELL-VENTILATED  
PLACE. STORE AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10 OF THE SDS).

-----8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

OCCUPATIONAL EXPOSURE LIMITS:

US. OSHA TABLE Z-1 LIMITS FOR AIR CONTAMINANTS (29 CFR 1910.1000):

COMPONENTS	TYPE	VALUE	FORM
ISOPROPYL ALCOHOL (CAS 67-63-0)	PEL	980 MG/M3	
		400 PPM	
PROPANE (CAS 74-98-6)	PEL	1800 MG/M3	
		1000 PPM	
STODDARD SOLVENT (CAS 8052-41-3)	PEL	2900 MG/M3	
		500 PPM	
ZINC OXIDE (CAS 1314-13-2)	PEL	5 MG/M3	RESPIRABLE FRACTION.
		5 MG/M3	FUME.
		15 MG/M3	TOTAL DUST.

US. OSHA TABLE Z-2 (29 CFR 1910.1000):

COMPONENTS	TYPE	VALUE
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TOLUENE (CAS 108-88-3)	CEILING	300 PPM
	TWA	200 PPM

US. ACGIH THRESHOLD LIMIT VALUES:

COMPONENTS	TYPE	VALUE	FORM
ISOPROPYL ALCOHOL (CAS 67-63-0)	STEL	400 PPM	
	TWA	200 PPM	
N-BUTANE (CAS 106-97-8)	STEL	1000 PPM	
SILICIC ACID, ALUMINUM SODIUM SALT (CAS 1344-00-9)	TWA	1 MG/M3	RESPIRABLE FRACTION.
STODDARD SOLVENT (CAS 8052-41-3)	TWA	100 PPM	
TOLUENE (CAS 108-88-3)	TWA	20 PPM	
ZINC OXIDE (CAS 1314-13-2)	STEL	10 MG/M3	RESPIRABLE FRACTION.
	TWA	2 MG/M3	RESPIRABLE FRACTION.

US. NIOSH: POCKET GUIDE TO CHEMICAL HAZARDS

COMPONENTS	TYPE	VALUE	FORM
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-47-8)	TWA	100 MG/M3	
ISOPROPYL ALCOHOL (CAS 67-63-0)	STEL	1225 MG/M3 500 PPM	
	TWA	980 MG/M3 400 PPM	
N-BUTANE (CAS 106-97-8)	TWA	1900 MG/M3 800 PPM	
PROPANE (CAS 74-98-6)	TWA	1800 MG/M3 1000 PPM	
SILICIC ACID, ALUMINUM SODIUM SALT (CAS 1344-00-9)	TWA	2 MG/M3	



STODDARD SOLVENT  
(CAS 8052-41-3)

CEILING 1800 MG/M3

TWA 350 MG/M3

TOLUENE  
(CAS 108-88-3)

STEL 560 MG/M3

150 PPM

TWA 375 MG/M3

100 PPM

ZINC OXIDE  
(CAS 1314-13-2)

CEILING 15 MG/M3 DUST.

STEL 10 MG/M3 FUME.

TWA 5 MG/M3 FUME.

5 MG/M3 DUST.

US. AIHA WORKPLACE ENVIRONMENTAL EXPOSURE LEVEL (WEEL) GUIDES:

COMPONENTS	TYPE	VALUE
N-METHYL-2-PYRROLIDONE (CAS 872-50-4)	TWA	40 MG/M3 10 PPM

BIOLOGICAL LIMIT VALUES:

ACGIH BIOLOGICAL EXPOSURE INDICES:

COMPONENTS	VALUE	DETERMINANT	SPECIMEN	SAMPLING TIME
ISOPROPYL ALCOHOL (CAS 67-63-0)	40 MG/L	ACETONE	URINE	*
N-METHYL-2-PYRROLIDONE (CAS 872-50-4)	100 MG/L	5-HYDROXY-N-M ETHYL-2- PYRROLIDONE	URINE	*
TOLUENE (CAS 108-88-3)	0.3 MG/G	O-CRESOL, WITH HYDROLYSIS	CREATININE IN URINE	*
	0.03 MG/L	TOLUENE	URINE	*
	0.02 MG/L	TOLUENE	BLOOD	*

\* - FOR SAMPLING DETAILS, PLEASE SEE THE SOURCE DOCUMENT.

EXPOSURE GUIDELINES:

US - CALIFORNIA OELS

SKIN DESIGNATION

TOLUENE (CAS 108-88-3)

CAN BE ABSORBED THROUGH THE SKIN.

US - MINNESOTA HAZ SUBS

SKIN DESIGNATION APPLIES

TOLUENE (CAS 108-88-3)

SKIN DESIGNATION APPLIES.

US WEEL GUIDES

SKIN DESIGNATION

N-METHYL-2-PYRROLIDONE

CAN BE ABSORBED THROUGH THE SKIN.

(CAS 872-50-4)

APPROPRIATE ENGINEERING CONTROLS:

GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED.

VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS. IF APPLICABLE, USE

PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS

TO MAINTAIN AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. IF EXPOSURE

LIMITS HAVE NOT BEEN ESTABLISHED, MAINTAIN AIRBORNE LEVELS TO AN ACCEPTABLE

LEVEL. EYE WASH FACILITIES AND EMERGENCY SHOWER MUST BE AVAILABLE WHEN

HANDLING THIS PRODUCT.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

SKIN PROTECTION:

HAND PROTECTION: WEAR PROTECTIVE GLOVES SUCH AS NEOPRENE OR NITRILE.

OTHER: WEAR APPROPRIATE CHEMICAL RESISTANT CLOTHING.

RESPIRATORY PROTECTION:

IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.

AIR MONITORING IS NEEDED TO DETERMINE ACTUAL EMPLOYEE EXPOSURE LEVELS.

THERMAL HAZARDS:

WEAR APPROPRIATE THERMAL PROTECTIVE CLOTHING, WHEN NECESSARY.

GENERAL HYGIENE CONSIDERATIONS:

WHEN USING, DO NOT EAT, DRINK OR SMOKE. ALWAYS OBSERVE GOOD PERSONAL HYGIENE

MEASURES, SUCH AS WASHING AFTER HANDLING THE MATERIAL AND BEFORE EATING,

DRINKING, AND/OR SMOKING. ROUTINELY WASH WORK CLOTHING AND PROTECTIVE

EQUIPMENT TO REMOVE CONTAMINANTS.

-----9. PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE:

PHYSICAL STATE: LIQUID.

FORM: AEROSOL.

COLOR: GRAY.

ODOR: AROMATIC.

ODOR THRESHOLD: NOT AVAILABLE.

PH: NOT AVAILABLE.

MELTING POINT/FREEZING POINT: NOT AVAILABLE.

INITIAL BOILING POINT AND BOILING RANGE: -166 DEG. F (-110 DEG. C)

FLASH POINT: -2.2 DEG. F (-19 DEG. C) CLOSED CUP

EVAPORATION RATE: NOT AVAILABLE.

FLAMMABILITY (SOLID, GAS): NOT AVAILABLE.

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

FLAMMABILITY LIMIT - LOWER (%): 0.5%

FLAMMABILITY LIMIT - UPPER (%): 10.9%

VAPOR PRESSURE: 1173 HPA ESTIMATED

VAPOR DENSITY: >1 (AIR = 1)

RELATIVE DENSITY: 0.77 - 0.85

SOLUBILITY (WATER): NEGLIGIBLE

PARTITION COEFFICIENT (N-OCTANOL/WATER): NOT AVAILABLE.

AUTO-IGNITION TEMPERATURE: 410 DEG. F (210 DEG. C) ESTIMATED

DECOMPOSITION TEMPERATURE: NOT AVAILABLE.

VISCOSITY (KINEMATIC): NOT AVAILABLE.

PERCENT VOLATILE: 49%

-----10. STABILITY AND REACTIVITY -----

REACTIVITY:

THE PRODUCT IS STABLE AND NON-REACTIVE UNDER NORMAL CONDITIONS OF USE,  
STORAGE AND TRANSPORT.

CHEMICAL STABILITY: STABLE AT NORMAL CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS:

NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE.

CONDITIONS TO AVOID:

HEAT, FLAMES AND SPARKS. CONTACT WITH INCOMPATIBLE MATERIALS.

INCOMPATIBLE MATERIALS:

STRONG OXIDIZING AGENTS. NITRATES. FLUORINE. CHLORINE.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE. HYDROCARBON FUMES AND SMOKE.

-----11. TOXICOLOGICAL INFORMATION -----

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

INGESTION: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

INHALATION:

VAPORS HAVE A NARCOTIC EFFECT AND MAY CAUSE HEADACHE, FATIGUE, DIZZINESS AND NAUSEA.

PROLONGED INHALATION MAY BE HARMFUL. MAY CAUSE DAMAGE TO ORGANS BY INHALATION.

SKIN CONTACT: CAUSES SKIN IRRITATION.

EYE CONTACT: DIRECT CONTACT WITH EYES MAY CAUSE TEMPORARY IRRITATION.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

SKIN IRRITATION. MAY CAUSE REDNESS AND PAIN. SYMPTOMS OF OVEREXPOSURE MAY BE HEADACHE, DIZZINESS, TIREDNESS, NAUSEA AND VOMITING.

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:



MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. NARCOTIC EFFECTS.

PRODUCT	SPECIES	TEST RESULTS
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ZINC-IT(R\*) INSTANT COLD GALVANIZE:

ACUTE:

DERMAL:

LD50	RABBIT	14160.8076 MG/KG ESTIMATED
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INHALATION:

LC50	RAT	59203.4453 MG/M3,
		4 HOURS ESTIMATED

19547.6133 PPM,

4 HOURS ESTIMATED

8891.8916 MG/L,

4 HOURS ESTIMATED

ORAL:

LD50	RAT	3618.0864 MG/KG ESTIMATED
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\* ESTIMATES FOR PRODUCT MAY BE BASED ON ADDITIONAL COMPONENT DATA NOT SHOWN.

SKIN CORROSION/IRRITATION: CAUSES SKIN IRRITATION.

SERIOUS EYE DAMAGE/EYE IRRITATION:

DIRECT CONTACT WITH EYES MAY CAUSE TEMPORARY IRRITATION.

RESPIRATORY SENSITIZATION: NOT AVAILABLE.

SKIN SENSITIZATION:

THIS PRODUCT IS NOT EXPECTED TO CAUSE SKIN SENSITIZATION.

GERM CELL MUTAGENICITY:

NO DATA AVAILABLE TO INDICATE PRODUCT OR ANY COMPONENTS PRESENT AT GREATER THAN 0.1% ARE MUTAGENIC OR GENOTOXIC.

CARCINOGENICITY:

THIS PRODUCT IS NOT CONSIDERED TO BE A CARCINOGEN BY IARC, ACGIH, NTP, OR OSHA.

IARC MONOGRAPHS. OVERALL EVALUATION OF CARCINOGENICITY:

STODDARD SOLVENT (CAS 8052-41-3):

3 NOT CLASSIFIABLE AS TO CARCINOGENICITY TO HUMANS.

TOLUENE (CAS 108-88-3):

3 NOT CLASSIFIABLE AS TO CARCINOGENICITY TO HUMANS.

REPRODUCTIVE TOXICITY: SUSPECTED OF DAMAGING THE UNBORN CHILD.

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE: NARCOTIC EFFECTS.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE:

MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

ASPIRATION HAZARD: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

CHRONIC EFFECTS:

PROLONGED INHALATION MAY BE HARMFUL. MAY CAUSE DAMAGE TO ORGANS THROUGH

PROLONGED OR REPEATED EXPOSURE.

-----12. ECOLOGICAL INFORMATION -----

ECOTOXICITY:

VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. ACCUMULATION IN  
AQUATIC ORGANISMS IS EXPECTED.

PRODUCT		SPECIES	TEST RESULTS
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ZINC-IT(R\*) INSTANT COLD GALVANIZE:

CRUSTACEA	EC50	DAPHNIA	5.8464 MG/L, 48 HOURS ESTIMATED
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FISH	LC50	FISH	65.8691 MG/L, 96 HOURS ESTIMATED
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COMPONENTS		SPECIES	TEST RESULTS
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DISTILLATES (PETROLEUM), HYDROTREATED LIGHT

(CAS 64742-47-8):

ACUTE:

	EC50	INVERTEBRATE (SALTWATER)	4720 MG/L, 96 HOURS
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AQUATIC:

ACUTE:

FISH	LC50	BLUEGILL	1740 MG/L, 96 HOURS
		(LEPOMIS MACROCHIRUS)	
		FATHEAD MINNOW	45 MG/L, 96 HOURS
		(PIMEPHALES PROMELAS)	

ISOPROPYL ALCOHOL (CAS 67-63-0):

AQUATIC:

FISH	LC50	BLUEGILL	>1400 MG/L, 96 HOURS
		(LEPOMIS MACROCHIRUS)	

SILICIC ACID, ALUMINUM SODIUM SALT

(CAS 1344-00-9):

AQUATIC:

FISH	LC50	GUPPY	1800 - 3200 MG/L, 96 HOURS
		(POECILIA RETICULATA)	

TOLUENE (CAS 108-88-3):

AQUATIC:

CRUSTACEA	EC50	WATER FLEA	5.46 - 9.83 MG/L, 48 HOURS
		(DAPHNIA MAGNA)	

FISH	LC50	COHO SALMON, SILVER SALMON	8.11 MG/L, 96 HOURS
		(ONCORHYNCHUS KISUTCH)	

ZINC OXIDE (CAS 1314-13-2):

AQUATIC:



BIOACCUMULATIVE POTENTIAL: NO DATA AVAILABLE.

PARTITION COEFFICIENT N-OCTANOL / WATER (LOG KOW):

ISOPROPYL ALCOHOL: 0.05

N-BUTANE: 2.89

N-METHYL-2-PYRROLIDONE: -0.54

PROPANE: 2.36

STODDARD SOLVENT: 3.16 - 7.15

TOLUENE: 2.73

MOBILITY IN SOIL: NO DATA AVAILABLE.

OTHER ADVERSE EFFECTS:

NO OTHER ADVERSE ENVIRONMENTAL EFFECTS (E.G. OZONE DEPLETION, PHOTOCHEMICAL OZONE CREATION POTENTIAL, ENDOCRINE DISRUPTION, GLOBAL WARMING POTENTIAL) ARE EXPECTED FROM THIS COMPONENT.

-----13. DISPOSAL CONSIDERATIONS -----

DISPOSAL OF WASTE FROM RESIDUES / UNUSED PRODUCTS:

THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE. IF DISCARDED, THIS PRODUCT IS CONSIDERED A RCRA IGNITABLE WASTE, D001. CONSULT



AUTHORITIES BEFORE DISPOSAL. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE,  
INCINERATE OR CRUSH. DO NOT ALLOW THIS MATERIAL TO DRAIN INTO SEWERS/WATER  
SUPPLIES. DO NOT CONTAMINATE PONDS, WATERWAYS OR DITCHES WITH CHEMICAL OR  
USED CONTAINER. DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH  
LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS.

HAZARDOUS WASTE CODE:

D001: WASTE FLAMMABLE MATERIAL WITH A FLASH POINT <140 F

CONTAMINATED PACKAGING:

EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR  
RECYCLING OR DISPOSAL.

SINCE EMPTIED CONTAINERS MAY RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS  
EVEN AFTER CONTAINER IS EMPTIED. DO NOT RE-USE EMPTY CONTAINERS.

-----14. TRANSPORT INFORMATION -----

DOT:

UN NUMBER: UN1950

UN PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE, LIMITED QUANTITY

TRANSPORT HAZARD CLASS(ES):

CLASS: 2.1

SUBSIDIARY RISK:

LABEL(S): 2.1

PACKING GROUP: NOT APPLICABLE.

ENVIRONMENTAL HAZARDS:

MARINE POLLUTANT: YES (ZINC COMPOUNDS)

SPECIAL PRECAUTIONS FOR USER:

READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.

READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.

SPECIAL PROVISIONS: N82

PACKAGING EXCEPTIONS: 306

PACKAGING NON BULK: 304

PACKAGING BULK: NONE

IATA:

UN NUMBER: UN1950

UN PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE, LIMITED QUANTITY

TRANSPORT HAZARD CLASS(ES):

CLASS: 2.1

SUBSIDIARY RISK:

PACKING GROUP: NOT APPLICABLE.

ENVIRONMENTAL HAZARDS: NO.

ERG CODE: 10L

SPECIAL PRECAUTIONS FOR USER:

READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.

READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.

OTHER INFORMATION:

PASSENGER AND CARGO AIRCRAFT: ALLOWED.

CARGO AIRCRAFT ONLY: ALLOWED.

IMDG:

UN NUMBER: UN1950

UN PROPER SHIPPING NAME: AEROSOLS, LIMITED QUANTITY

TRANSPORT HAZARD CLASS(ES):

CLASS: 2

SUBSIDIARY RISK:

PACKING GROUP: NOT APPLICABLE.

ENVIRONMENTAL HAZARDS:

MARINE POLLUTANT: YES

EMS: F-D, S-U

SPECIAL PRECAUTIONS FOR USER:

READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.

READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.

-----15. REGULATORY INFORMATION -----

US FEDERAL REGULATIONS:

THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

TSCA SECTION 12(B) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D):

NOT REGULATED.

SARA 304 EMERGENCY RELEASE NOTIFICATION: NOT REGULATED.

US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050):

NOT LISTED.

US EPCRA (SARA TITLE III) SECTION 313 - TOXIC CHEMICAL LISTED SUBSTANCE

N-METHYL-2-PYRROLIDONE (CAS 872-50-4)

TOLUENE (CAS 108-88-3)

ZINC OXIDE (CAS 1314-13-2)

ZINC, ELEMENTAL (CAS 7440-66-6)

CERCLA HAZARDOUS SUBSTANCE LIST (40 CFR 302.4):

ISOPROPYL ALCOHOL (CAS 67-63-0)

TOLUENE (CAS 108-88-3)

ZINC OXIDE (CAS 1314-13-2)

ZINC, ELEMENTAL (CAS 7440-66-6)

CERCLA HAZARDOUS SUBSTANCES	REPORTABLE QUANTITY
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ISOPROPYL ALCOHOL (CAS 67-63-0)	100 LBS
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TOLUENE (CAS 108-88-3)	1000 LBS
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ZINC, ELEMENTAL (CAS 7440-66-6)	1000 LBS
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SPIILLS OR RELEASES RESULTING IN THE LOSS OF ANY INGREDIENT AT OR ABOVE ITS

RQ REQUIRE IMMEDIATE NOTIFICATION TO THE NATIONAL RESPONSE CENTER

(800-424-8802) AND TO YOUR LOCAL EMERGENCY PLANNING COMMITTEE.

CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS) LIST:

TOLUENE (CAS 108-88-3)

CLEAN AIR ACT (CAA) SECTION 112(R) ACCIDENTAL RELEASE PREVENTION

(40 CFR 68.130):

N-BUTANE (CAS 106-97-8)

PROPANE (CAS 74-98-6)

SAFE DRINKING WATER ACT (SDWA): NOT REGULATED.

DRUG ENFORCEMENT ADMINISTRATION (DEA). LIST 2, ESSENTIAL CHEMICALS

(21 CFR 1310.02(B) AND 1310.04(F)(2) AND CHEMICAL CODE NUMBER:

TOLUENE (CAS 108-88-3): 6594

DRUG ENFORCEMENT ADMINISTRATION (DEA). LIST 1 & 2 EXEMPT CHEMICAL MIXTURES

(21 CFR 1310.12(C)):

TOLUENE (CAS 108-88-3): 35% WEIGHT/VOLUME

DEA EXEMPT CHEMICAL MIXTURES CODE NUMBER:

TOLUENE (CAS 108-88-3): 594

FOOD AND DRUG ADMINISTRATION (FDA): NOT REGULATED.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA):

SECTION 311/312 HAZARD CATEGORIES:

IMMEDIATE HAZARD: YES

DELAYED HAZARD: YES

FIRE HAZARD: YES

PRESSURE HAZARD: YES

REACTIVITY HAZARD: NO

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: NO

US STATE REGULATIONS:

US. NEW JERSEY RTK - SUBSTANCES

LISTED SUBSTANCE

ISOPROPYL ALCOHOL (CAS 67-63-0)

N-BUTANE (CAS 106-97-8)

N-METHYL-2-PYRROLIDONE (CAS 872-50-4)

PROPANE (CAS 74-98-6)

STODDARD SOLVENT (CAS 8052-41-3)

TOLUENE (CAS 108-88-3)



ZINC OXIDE (CAS 1314-13-2)

ZINC, ELEMENTAL (CAS 7440-66-6)

US. MASSACHUSETTS RTK - SUBSTANCE LIST:

ISOPROPYL ALCOHOL (CAS 67-63-0)

N-BUTANE (CAS 106-97-8)

PROPANE (CAS 74-98-6)

STODDARD SOLVENT (CAS 8052-41-3)

TOLUENE (CAS 108-88-3)

ZINC OXIDE (CAS 1314-13-2)

ZINC, ELEMENTAL (CAS 7440-66-6)

US. PENNSYLVANIA RTK - HAZARDOUS SUBSTANCES:

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-47-8)

ISOPROPYL ALCOHOL (CAS 67-63-0)

N-BUTANE (CAS 106-97-8)

N-METHYL-2-PYRROLIDONE (CAS 872-50-4)

PROPANE (CAS 74-98-6)

SILICIC ACID, ALUMINUM SODIUM SALT (CAS 1344-00-9)

STODDARD SOLVENT (CAS 8052-41-3)

TOLUENE (CAS 108-88-3)

ZINC OXIDE (CAS 1314-13-2)

ZINC, ELEMENTAL (CAS 7440-66-6)

US. RHODE ISLAND RTK:

ISOPROPYL ALCOHOL (CAS 67-63-0)

N-BUTANE (CAS 106-97-8)

N-METHYL-2-PYRROLIDONE (CAS 872-50-4)

PROPANE (CAS 74-98-6)

TOLUENE (CAS 108-88-3)

ZINC OXIDE (CAS 1314-13-2)

ZINC, ELEMENTAL (CAS 7440-66-6)

US. CALIFORNIA PROPOSITION 65:

WARNING:

THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE  
BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

US - CALIFORNIA PROPOSITION 65 - CRT      LISTED DATE/DEVELOPMENTAL TOXIN

N-METHYL-2-PYRROLIDONE (CAS 872-50-4)      LISTED: JUNE 15, 2001

TOLUENE (CAS 108-88-3)      LISTED: JANUARY 1, 1991

US - CALIFORNIA PROPOSITION 65 - CRT LISTED DATE/FEMALE REPRODUCTIVE TOXIN

TOLUENE (CAS 108-88-3)

LISTED: AUGUST 7, 2009

VOLATILE ORGANIC COMPOUNDS (VOC) REGULATIONS:

EPA:

VOC CONTENT (40 CFR 51.100(S)): 45.6%

AEROSOL COATINGS (40 CFR 59, SUBPT. E): COMPLIANT

STATE:

AEROSOL COATINGS:

THIS PRODUCT IS REGULATED AS A PRIMER. THIS PRODUCT IS COMPLIANT FOR SALE  
IN ALL 50 STATES.

MAXIMUM INCREMENTAL REACTIVITY (MIR): 1.2

INTERNATIONAL INVENTORIES:

COUNTRY(S) OR REGION	INVENTORY NAME	ON INVENTORY (YES/NO)*
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AUSTRALIA	AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS)	NO
CANADA	DOMESTIC SUBSTANCES LIST (DSL)	NO
CANADA	NON-DOMESTIC SUBSTANCES LIST (NDSL)	NO
CHINA	INVENTORY OF EXISTING CHEMICAL SUBSTANCES IN CHINA (IECSC)	NO
EUROPE	EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS)	NO
EUROPE	EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS)	NO
JAPAN	INVENTORY OF EXISTING AND NEW CHEMICAL SUBSTANCES (ENCS)	NO
KOREA	EXISTING CHEMICALS LIST (ECL)	NO
NEW ZEALAND	NEW ZEALAND INVENTORY	NO

PHILIPPINES                      PHILIPPINE INVENTORY OF CHEMICALS                      NO  
AND CHEMICAL SUBSTANCES (PICCS)

UNITED STATES &                      TOXIC SUBSTANCES CONTROL ACT                      YES  
PUERTO RICO                      (TSCA) INVENTORY

\*A "YES" INDICATES THAT ALL COMPONENTS OF THIS PRODUCT COMPLY WITH THE  
INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY(S)

A "NO" INDICATES THAT ONE OR MORE COMPONENTS OF THE PRODUCT ARE NOT LISTED  
OR EXEMPT FROM LISTING ON THE INVENTORY ADMINISTERED BY THE GOVERNING  
COUNTRY(S).

-----16. OTHER INFORMATION -----

INCLUDING DATE OF PREPARATION OR LAST REVISION:

ISSUE DATE: 09-30-2013

PREPARED BY: ALLISON CHO

VERSION #: 01

FURTHER INFORMATION: NOT AVAILABLE.

HMIS(R\*) RATINGS:

HEALTH 2\*

FLAMMABILITY 4

PHYSICAL HAZARD 0

PERSONAL PROTECTION B

NFPA RATINGS:

HEALTH 2

FLAMMABILITY 4

INSTABILITY 0

DISCLAIMER:

THE INFORMATION CONTAINED IN THIS DOCUMENT APPLIES TO THIS SPECIFIC MATERIAL AS SUPPLIED. IT MAY NOT BE VALID FOR THIS MATERIAL IF IT IS USED IN COMBINATION WITH ANY OTHER MATERIALS. THIS INFORMATION IS ACCURATE TO THE BEST OF CRC INDUSTRIES' KNOWLEDGE OR OBTAINED FROM SOURCES BELIEVED BY CRC TO BE ACCURATE. BEFORE USING ANY PRODUCT, READ ALL WARNINGS AND DIRECTIONS ON THE LABEL. FOR FURTHER CLARIFICATION OF ANY INFORMATION CONTAINED ON THIS (M)SDS CONSULT YOUR SUPERVISOR, A HEALTH & SAFETY PROFESSIONAL, OR

CRC INDUSTRIES.

MATERIAL NAME: ZINC-IT(R\*) INSTANT COLD GALVANIZE

1062

SDS US