SAFETY DATA SHEET

CRC ZINC IT

Infosafe No.: FMS78
ISSUED Date : 29/08/2019
ISSUED by: CRC INDUSTRIES (AUST) PTY LIMITED

1. IDENTIFICATION

GHS Product Identifier
CRC ZINC IT

Company Name
CRC INDUSTRIES (AUST) PTY LIMITED

Address
9 Gladstone Road Castle Hill
NSW 2154 AUSTRALIA

Telephone/Fax Number
Tel: (02) 9849 6700
Fax: (02) 9680 4914

Emergency phone number
13 11 26 (PIC)

E-mail Address
info@crcind.com.au

Recommended use of the chemical and restrictions on use
AEROSOL DISPENSED · CORROSION PROTECTION

Other Names

Name	Product Code
ZINC IT	2085; 2085B

Additional Information
Website: www.crcindustries.com.au

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
Flammable Aerosol: Category 1
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1
Skin Corrosion/Irritation: Category 2
STOT Repeated Exposure: Category 2
STOT Single Exposure: Category 3 (narcotic)
Toxic to Reproduction: Category 1A

Signal Word (s)
DANGER

Hazard Statement (s)
H222 Extremely flammable aerosol.
H229 Pressurized container: may burst if heated.
H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.
H360 May damage fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statement (s)
Not Applicable

Pictogram (s)
Flame,Health hazard,Exclamation mark,Environment

Precautionary statement – Prevention
Do not handle until all safety precautions have been read and understood. P202
Keep away from heat/sparks/open flames/hot surfaces. No smoking. P210
Do not spray on an open flame or other ignition source. P211
Pressurized container: Do not pierce or burn, even after use. P251
Do not breathe dust/fume/gas/mist/vapours/spray. P260
Wash thoroughly after handling. P264
Use only outdoors or in a well-ventilated area. P271
Avoid release to the environment. P273
Wear protective gloves/protective clothing/eye protection/face protection. P280

Precautionary statement – Response
IF ON SKIN: Wash with plenty of soap and water. P302 + P352
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. P304 + P340
IF exposed or concerned: Get medical advice/ attention. P308 + P313
Specific treatment is advised - see first aid instructions. P321
Take off contaminated clothing and wash before re-use. P362
Collect spillage. P391

Precautionary statement – Storage
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50ºC/122ºF.

Precautionary statement – Disposal
P501 Dispose of contents/container to / in accordance with relevant regulations.

Other Information
Classification of the substance or mixture:
CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA
Physical Hazards
Aerosols - Flammable: Category 1
Aerosols - Pressurised: Category 1
Health Hazards
Skin Corrosion/Irritation: Category 2
Specific Target Organ Toxicity (Single Exposure): Category 3 (Narcotic Effects)
Toxic to Reproduction: Category 1A
Specific Target Organ Toxicity (Repeated Exposure): Category 2
Environmental Hazards
Aquatic Toxicity (Chronic): Category 1

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
PETROLEUM GASES, LIQUEFIED (<0. 1% 1, 3- BUTADIENE)	68476- 85- 7	30- 60 %
zinc powder - zinc dust (stabilised)	7440- 66- 6	30- 60 %
Toluene	108- 88- 3	5- 20 %
Xylene	1330- 20- 7	5- 20 %

Other Information
Synonyms: 2085; 2085B - MANUFACTURER'S CODE · CRC ZINC IT
Substances / Mixtures
Ingredient / EC Number
PETROLEUM GASES, LIQUEFIED (<0.1% 1,3-BUTADIENE) 270-704-2
ZINC POWDER - ZINC DUST (STABILISED) 231-175-3
TOLUENE 203-625-9
XYLENE 215-535-7

4. FIRST-AID MEASURES

Inhalation
If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

Ingestion
For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

Skin
If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

Eye contact
If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

First Aid Facilities
None allocated.

Indication of immediate medical attention and special treatment needed if necessary
Treat symptomatically.

Most important symptoms/effects, acute and delayed
See Section 11 for more detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

Specific Methods
Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

Specific Hazards Arising From The Chemical

Highly flammable aerosol. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Aerosol may explode at temperatures exceeding 50°C. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, etc when handling. Aerosol cans may explode when heated above 50°C.

Hazchem Code
2Y

Decomposition Temperature
Not Available

Other Information
Hazchem code:
2Y
2 Fine Water Spray.
Y Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus. Contain spill and run-off.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible.

Methods And Materials For Containment And Cleaning Up
Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

Environmental Precautions
Prevent product from entering drains and waterways.

Other Information
Reference to other sections:See Sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation.
Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Conditions for safe storage, including any incompatibilities
Store in a cool (< 50°C), dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs.
Ensure aerosol containers/ cans are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for damaged/ leaking containers. Large storage areas should have appropriate fire protection systems.

Other Information
Specific end uses:
No information provided.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values
Control parameters
Exposure standards
Ingredient / Reference / TWA ppm / TWA mg/m³ / STEL ppm / STEL mg/m³
Liquefied petroleum gas (LPG) SWA [AUS] 1000 1800 1000 1800
Toluene SWA [AUS] 50 191 150 574
Xylene SWA [AUS] 80 -- 150 -
Zinc oxide (dust) SWA [AUS] -- 10 -- --

Biological Limit Values
Ingredient / Determinant / Sampling Time / BEI
TOLUENE
Determinant / Sampling Time / BEI

o-Cresol in urine (with hydrolysis) End of shift 0.3 mg/g creatinine
End of shift Toluene in urine End of shift 0.03 mg/L
Toluene in blood Prior to last shift of workweek 0.02 mg/L
XYLENE Methylhippuric acids in urine End of shift 1.5 g/g creatinine
Reference: ACGIH Biological Exposure Indices

Appropriate Engineering Controls
Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back.
Maintain vapour levels below the recommended exposure standard.

Respiratory Protection
Where an inhalation risk exists, wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator.

Eye Protection
Wear splash-proof goggles.

Hand Protection
Wear PVA or viton (R) gloves.

Body Protection
When using large quantities or where heavy contamination is likely, wear coveralls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
Aerosol - Liquid

Appearance
GREY LIQUID (AEROSOL DISPENSED)

Odour
SOLVENT ODOUR

Decomposition Temperature
Not Available

Melting Point
Not Available

Boiling Point
110°C

Solubility in Water
Insoluble

Specific Gravity
2.1

pH
Not Available

Vapour Pressure
Not Available

Vapour Density (Air=1)
> 1

Evaporation Rate
Not Available

Odour Threshold
Not Available

Viscosity
Not Available

Volatile Component
47 %

Partition Coefficient: n-octanol/water
Not Available

Flash Point
12°C

Flammability
HIGHLY FLAMMABLE

Auto-Ignition Temperature
550°C

Explosion Limit - Upper
7.2 %

Explosion Limit - Lower
1.3 %

Explosion Properties
Not Available

Oxidising Properties
Not Available

10. STABILITY AND REACTIVITY

Reactivity
Carefully review all information provided in sections 10.2 to 10.6.

Chemical Stability
Stable under recommended conditions of storage.

Conditions to Avoid
Avoid shock, friction, heavy impact, heat, sparks, open flames and other ignition sources.

Incompatible materials
Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.

Hazardous Decomposition Products
May evolve carbon oxides and hydrocarbons when heated to decomposition.

Possibility of hazardous reactions
Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information
Information on toxicological effects
Acute toxicity: Based on available data, the classification criteria are not met. This product may have the potential to cause adverse health effects if intentionally misused (e.g. deliberately inhaling contents).
Information available for the ingredients:
Ingredient / Oral LD50 / Dermal LD50 / Inhalation LC50
TOLUENE 5580 mg/kg (rat) 5000 mg/kg (rabbit) 25.7 - 30 mg/L/4hrs (rat)
XYLENE > 2000 mg/kg (rat) (NICNAS) > 1700 mg/kg (rabbit) 5000 ppm (rat)

Skin corrosion/irritation
Contact may result in drying and defatting of the skin, irritation, rash and dermatitis.

Serious eye damage/irritation
Contact may result in irritation, lacrimation, pain and redness.

Mutagenicity
Insufficient data available to classify as a mutagen.

Respiratory sensitisation
Not classified as causing skin or respiratory sensitisation.

Skin Sensitisation
Not classified as causing skin or respiratory sensitisation.

Carcinogenicity
Insufficient data available to classify as a carcinogen.

Reproductive Toxicity
Over exposure to toluene may damage fertility or the unborn child.

STOT-single exposure
Over exposure may result in irritation of the nose and throat, coughing, nausea and headache. High level exposure may result in dizziness, drowsiness, breathing difficulties and unconsciousness.

STOT-repeated exposure
Repeated exposure to toluene may result in central nervous system (CNS), liver and kidney damage.

Aspiration Hazard
Aspiration or inhalation may cause chemical pneumonitis and pulmonary oedema.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Very toxic to aquatic life with long lasting effects.

Persistence and degradability
No information provided.

Mobility
No information provided in soil.

Bioaccumulative Potential
No information provided.

Other Adverse Effects
If aromatic hydrocarbons are released to soil, they will evaporate from near-surface soil & leach to groundwater. Biodegradation occurs in soil & groundwater but may be slow, especially at high concentrations, which can be toxic to microorganisms. Will exist largely as vapour in air. Half life in atmosphere depends on particular hydrocarbon (eg 1-2 days (xylene); 3 hrs-1 day (toluene)).

13. DISPOSAL CONSIDERATIONS

Waste Disposal
For small amounts, absorb contents with sand or similar and dispose of to an approved landfill site. Do not puncture or incinerate aerosol cans. Contact the manufacturer/supplier for additional information (if required).

Local Legislation
Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

Transport Information
CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE
LAND TRANSPORT (ADG)
UN Number: 1950
Proper Shipping Name: AEROSOLS
Transport hazard class: 2.1
Packing Group: None allocated.
SEA TRANSPORT (IMDG / IMO)

UN Number: 1950
Proper Shipping Name: AEROSOLS
Transport hazard class: 2.1
Packing Group: None allocated.
AIR TRANSPORT (IATA / ICAO)
UN Number: 1950
Proper Shipping Name: AEROSOLS
Transport hazard class: 2.1
Packing Group: None allocated.
Other information: The environmentally hazardous substance mark is not required when transported in packages of less than 5 kg/L (UN Model Regulations: Special Provision 375; IATA: Special Provision A197; IMDG: Special Provision 969) or less than 500 kg/L by Australian Road and Rail.

U.N. Number
1950

UN proper shipping name
AEROSOLS

Transport hazard class(es)
2.1

Hazchem Code
2Y

IERG Number
49

UN Number (Air Transport, ICAO)
1950

IATA/ICAO Proper Shipping Name
Aerosols

IATA/ICAO Hazard Class
2.1

IMDG UN No
1950

IMDG Proper Shipping Name
AEROSOLS

IMDG Hazard Class
2.1

Special Precautions for User
GTEPG: 2D1
EMS:F-D, S-U

Environmental Hazards
Marine Pollutant

15. REGULATORY INFORMATION

Regulatory information
Poison schedule: Classified as a Schedule 5 (S5) Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classifications: Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

Poisons Schedule
S5

Australia (AICS)
All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Signature of Preparer/Data Service

Prepared by: Risk Management Technologies
5 Ventnor Ave, West Perth
Western Australia 6005
Phone: +61 8 9322 1711
Fax: +61 8 9322 1794
Email: info@rmt.com.au
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Other Information

Version No: 2.5
AEROSOL CANS may explode at temperatures approaching 50°C.
PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.
HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.
Abbreviations
ACGIH: American Conference of Governmental Industrial Hygienists
CAS #: Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS: Central Nervous System
EC No.: EC No - European Community Number
EMS: Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous
Goods)
GHS: Globally Harmonized System
GTEPG: Group Text Emergency Procedure Guide
IARC: International Agency for Research on Cancer
LC50: Lethal Concentration, 50% / Median Lethal Concentration
LD50: Lethal Dose, 50% / Median Lethal Dose
mg/m^3: Milligrams per Cubic Metre
OEL: Occupational Exposure Limit
pH: relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm: Parts Per Million
STEL: Short-Term Exposure Limit
STOT-RE: Specific target organ toxicity (repeated exposure)
STOT-SE: Specific target organ toxicity (single exposure)
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons
SWA: Safe Work Australia
TLV: Threshold Limit Value
TWA: Time Weighted Average
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Any disclaimer by the manufacturer may not be included in the transcription.

END OF SDS