

SAFETY DATA SHEET

CRC BATTERY MAINTENANCE AEROSOL

Infosafe No.: 8CDT8
ISSUED Date : 30/07/2020
ISSUED by: CRC INDUSTRIES (AUST) PTY
LIMITED

1. Identification

GHS Product Identifier

CRC BATTERY MAINTENANCE AEROSOL

Product Code

5097

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

BATTERY CLEANER • CLEANING AGENT

Other Names

Name
BATTERY MAINTENANCE AEROSOL

2. Hazard Identification

GHS classification of the substance/mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

Physical Hazards

Aerosols - Flammable: Category 2

Aerosols - Pressurised: Category 2

Health Hazards

Not classified as a Health Hazard

Environmental Hazards

Not classified as an Environmental Hazard

Signal Word (s)

WARNING

Hazard Statement (s)

H223 Flammable aerosol.

H229 Pressurized container: may burst if heated.

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Pictogram (s)

Flame



Precautionary statement – Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

Precautionary statement – Response

None allocated.

Precautionary statement – Storage

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Precautionary statement – Disposal

None allocated.

Other Information

Other hazards

No information provided.

3. Composition/information on ingredients

Information on Composition

Substances / Mixtures

Ingredient : PETROLEUM GASES, LIQUEFIED (<0.1% 1,3-BUTADIENE)

EC Number : 270-704-2

Ingredient : ETHANOL

EC Number : 200-578-6

Ingredient : 2-BUTOXYETHANOL

EC Number : 203-905-0

Ingredient : WATER

EC Number : 231-791-2

Ingredients

Name	CAS	Proportion
Water	7732-18-5	>60 %
PETROLEUM GASES, LIQUEFIED (<0.1% 1,3-BUTADIENE)	68476-85-7	5-<10 %
ETHANOL	64-17-5	3-5 %
2-butoxyethanol	111-76-2	1-3 %

4. First-aid measures

Inhalation

If inhaled, remove from contaminated area. 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. Ingestion is considered unlikely due to product form.

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Skin

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

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

No specific treatment. Treat symptomatically.

Most important symptoms/effects, acute and delayed

Adverse effects not expected from this product under normal conditions of use.

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

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 to temperatures > 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

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.

Personal Precautions

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

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.

Additional information on precautions for use

No information provided.

8. Exposure controls/personal protection

Occupational exposure limit values

Ingredient: 2-Butoxyethanol (EGBE)

Reference: SWA (AUS)

TWA

ppm: 20

mg/m³: 96.9

STEL

ppm: 50

mg/m³: 242

Ingredient: 2-Butoxyethanol (EGBE)

Reference: SWA [Proposed]

TWA

ppm: 10

mg/m³: 49

STEL

ppm: 50

mg/m³: 242

Ingredient: Ethanol

Reference: SWA (AUS)

TWA

ppm: 1000

mg/m³: 1880

STEL

ppm: -

mg/m³: -

Ingredient: Ethanol (Ethyl alcohol)

Reference: SWA [Proposed]

TWA

ppm: 200

mg/m³: 380

STEL

ppm: 800

mg/m³: 1500

Ingredient: Liquefied petroleum gas (LPG)

Reference: SWA (AUS)

TWA

ppm: 1000

mg/m³: 1800

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STEL
ppm: 1000
mg/m³: 1800

Biological Limit Values

Ingredient: 2-BUTOXYETHANOL
Determinant: Butoxyacetic acid (BAA) in urine (with hydrolysis)
Sampling Time: End of shift
BEI: 200 mg/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

Not required under normal conditions of use.

Eye Protection

Wear splash-proof goggles.

Hand Protection

When using large quantities or where heavy contamination is likely, wear PVC or rubber gloves.

Body Protection

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

9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Aerosol	Appearance	WHITE FOAM (AEROSOL DISPENSED)
Odour	SLIGHT ODOUR	Decomposition Temperature	NOT AVAILABLE
Melting Point	NOT AVAILABLE	Boiling Point	NOT AVAILABLE
Solubility in Water	SOLUBLE	Specific Gravity	1.05
pH	< 10	Vapour Pressure	NOT AVAILABLE
Vapour Density (Air=1)	NOT AVAILABLE	Evaporation Rate	AS FOR WATER
Odour Threshold	NOT AVAILABLE	Viscosity	NOT AVAILABLE
Volatile Component	> 60 % (Water)	Partition Coefficient: n-octanol/water	NOT AVAILABLE
Flash Point	23°C - 60.5°C	Flammability	FLAMMABLE
Auto-Ignition Temperature	NOT AVAILABLE	Explosion Limit - Upper	NOT RELEVANT
Explosion Limit - Lower	NOT RELEVANT	Explosion Properties	NOT AVAILABLE
Oxidising Properties	NOT AVAILABLE		

10. Stability and reactivity

Reactivity

Carefully review all Information provided In sections 10.

Chemical Stability

Stable under recommended conditions of storage.

Conditions to Avoid

Avoid 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

Acute toxicity:

This product is expected to be of low 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).

Acute Toxicity - Oral

Ingredient: ETHANOL

Oral Toxicity (LD50): 3450 mg/kg (mouse)

Ingredient: 2-BUTOXYETHANOL

Oral Toxicity (LD50): 470 mg/kg (rat)

Acute Toxicity - Inhalation

Ingredient: ETHANOL

Inhalation Toxicity (LC50): 20000 ppm/10 hours (rat)

Ingredient: 2-BUTOXYETHANOL

Inhalation Toxicity (LC50): 450 mg/L/4hrs (rat)

Acute Toxicity - Dermal

Ingredient: ETHANOL

Dermal Toxicity (LD50): --

Ingredient: 2-BUTOXYETHANOL

Dermal Toxicity (LD50): 220 mg/kg (rabbit)

Skin corrosion/irritation

Not classified as a skin irritant. Contact may result in mild irritation.

Serious eye damage/irritation

Not classified as an eye irritant. Contact may cause discomfort, lacrimation and redness.

Mutagenicity

No evidence of mutagenic effects.

Respiratory sensitisation

Not classified as causing respiratory sensitisation.

Skin Sensitisation

Not classified as causing skin sensitisation.

Carcinogenicity

No evidence of carcinogenic effects.

Reproductive Toxicity

No relevant or reliable studies were identified.

STOT-single exposure

Not classified as causing organ damage from single exposure. This product may have the potential to cause adverse health effects if intentionally misused (e.g. deliberately inhaling contents). High level exposure may result in nausea, dizziness and drowsiness.

STOT-repeated exposure

Not classified as causing organ damage from repeated exposure.

Aspiration Hazard

Not classified as causing aspiration.

12. Ecological information

Ecotoxicity

Toxicity

No information provided.

Persistence and degradability

No information provided.

Mobility

No information provided.

Bioaccumulative Potential

No information provided.

Other Adverse Effects

Hydrocarbon propellants will quickly evaporate from soil or water and enter the atmosphere. In the atmosphere propellants are expected to exist entirely in the vapour phase and will react with hydroxyl radicals. Estimated half lives vary from 6 days (butane) to 13 days (propane). Hydrocarbon propellants are not ozone depleting.

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

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

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Special Precautions for User

GTEPG: 2D1

EMS: F-D, S-U

Environmental Hazards

No information provided.

Other 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.

15. Regulatory information

Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Classifications

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

Poisons Schedule

N/A

Australia (AICS)

All components are listed on AICS, or are exempt.

16. Other Information

User Codes

User Title Label	User Codes
Wis Numbers	00480303

Signature of Preparer/Data Service

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

Web: www.rmtglobal.com

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Other Information

Revision No: 3.3

Additional information

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/m³: 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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END OF SDS

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