

SAFETY DATA SHEET

TAC 2

Infosafe No.: FMQDD
ISSUED Date : 13/07/2021
ISSUED by: CRC INDUSTRIES (AUST) PTY
LIMITED

Section 1 - Identification

Product Identifier

TAC 2

Product Code

5035

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.au@crcind.com

Recommended use of the chemical and restrictions on use

CHAIN LUBRICANT ? LUBRICANT

Other Names

Name	Product Code
TAC 2	5035E
CRC TAC 2	
TAC-2	
TAC2	

Additional Information

Website : www.crcindustries.com.au

Section 2 - Hazard(s) Identification

GHS classification of the substance/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)

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Environmental Hazards

Aquatic Toxicity (Chronic): Category 2

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.

H411 Toxic to aquatic life with long lasting effects.

Pictogram (s)

Flame, Exclamation mark, Environment



Precautionary Statement – Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

P251 Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Precautionary Statement – Response

P302 + P352 IF ON SKIN: Wash with plenty of water.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTRE or doctor/physician if you feel unwell.

P321 Specific treatment is advised - see first aid instructions.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

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 50°C.

Precautionary Statement – Disposal

P501 Dispose of contents/container in accordance with relevant regulations.

Other Information

Other hazards:

No information provided.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
PETROLEUM GASES, LIQUEFIED (<0.1% W/W 1,3-BUTADIENE)	68476-85-7	20-40 %
2-METHYLPENTANE	107-83-5	10-30 %
MINERAL OIL (SOLVENT/HIGHLY REFINED)	-	10-30 %
CYCLOPENTANE	287-92-3	5-10 %
N-HEXANE	110-54-3	<1%

Other Information

Substances / Mixtures

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

EC Number : 270-704-2

Ingredient : 2-METHYLPENTANE

EC Number : 203-523-4

Ingredient : MINERAL OIL (SOLVENT/HIGHLY REFINED)

EC Number : -

Ingredient : CYCLOPENTANE

EC Number : 206-016-6

Ingredient : N-HEXANE

EC Number : 203-777-6

Section 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. Ingestion is considered unlikely due to product form.

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

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

Eye wash facilities should be available.

Indication of immediate medical attention and special treatment needed if necessary

Treat symptomatically.

Most important symptoms/effects, acute, delayed and aggravated medical conditions

See Section 11 for more detailed information on health effects and symptoms.

Section 5 - Firefighting 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

Extremely 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, pilot lights, mobile phones, etc when handling. Aerosol cans may explode above 50°C.

Hazchem Code

2YE

Decomposition Temperature

NOT AVAILABLE

Other Information

Hazchem cod

2YE

2 Fine Water Spray.

Y Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus. Contain spill and run-off.

E Evacuation of people in and around the immediate vicinity of the incident should be considered.

Section 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.

Section 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.

Section 8 - Exposure Controls and Personal Protection

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Occupational exposure limit values

Ingredient: Cyclopentane

Reference: SWA (AUS)

TWA ppm: 600

TWA mg/m³: 1720

STEL ppm: --

STEL mg/m³: --

Ingredient: Hexane, other isomers

Reference: SWA (AUS)

TWA ppm: 500

TWA mg/m³: 1760

STEL ppm: 1000

STEL mg/m³: 3500

Ingredient: Liquefied petroleum gas (LPG)

Reference: SWA (AUS)

TWA ppm: 1000

TWA mg/m³: 1800

STEL ppm: 1000

STEL mg/m³: 1800

Ingredient: Mineral Oil Mist

Reference: SWA (AUS)

TWA ppm: --

TWA mg/m³: 5

STEL ppm: --

STEL mg/m³: --

Ingredient: n-Hexane

Reference: SWA (AUS)

TWA ppm: 20

TWA mg/m³: 72

STEL ppm: --

STEL mg/m³: --

Biological Monitoring

Ingredient: N-HEXANE

Determinant: 2,5-Hexanedione in urine (without hydrolysis)

Sampling Time: End of shift

BEI: 0.5 mg/L

Reference: ACGIH Biological Exposure Indices

Engineering Controls

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable vapours may accumulate in poorly ventilated or confined 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

At high vapour levels, wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator.

Eye and Face Protection

Wear splash-proof goggles.

Hand Protection

Wear nitrile or neoprene gloves.

Body Protection

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

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Aerosol - Liquid	Appearance	CLEAR LIQUID (AEROSOL DISPENSED)
Odour	SOLVENT ODOUR	Melting Point	NOT AVAILABLE
Boiling Point	NOT AVAILABLE	Decomposition Temperature	NOT AVAILABLE
Solubility in Water	INSOLUBLE	pH	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE	Relative Vapour Density (Air=1)	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE	Odour Threshold	NOT AVAILABLE
Viscosity	NOT AVAILABLE	Partition Coefficient: n-octanol/water (log value)	NOT AVAILABLE
Flash Point	<10°C	Flammability	EXTREMELY FLAMMABLE
Auto-Ignition Temperature	NOT AVAILABLE	Explosion Limit - Upper	NOT AVAILABLE
Explosion Limit - Lower	NOT AVAILABLE	Explosion Properties	NOT AVAILABLE
Oxidising Properties	NOT AVAILABLE	Relative Density	0.70

Section 10 - Stability and Reactivity

Reactivity

Carefully review all information provided in sections 10.

Chemical Stability

Stable under recommended conditions of storage.

Possibility of hazardous reactions

Polymerization is not expected to occur.

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 toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

Section 11 - Toxicological Information

Acute Toxicity

This product may have the potential to cause adverse health effects if intentionally misused (e.g. deliberately inhaling contents).

Acute Toxicity - Oral

Ingredient: N-HEXANE
LD50: 25 g/kg (rat)

Ingredient: CYCLOPENTANE
LD50: 11400 mg/kg (rat)

Acute Toxicity - Dermal

Ingredient: N-HEXANE
LD50: 3000 mg/kg (rabbit)

Acute Toxicity - Inhalation

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Ingredient: N-HEXANE
LC50: 48000 ppm/4 hours (rat)

Ingredient: CYCLOPENTANE
LC50: LC50 = 106 mg/L, vapour (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.

Respiratory Sensitisation

Not classified as causing respiratory sensitisation.

Skin Sensitisation

Not classified as causing skin sensitisation.

Carcinogenicity

Not classified as a carcinogen.

Reproductive Toxicity

Not classified as a reproductive toxin.

STOT - Single Exposure

Over exposure may result in irritation of the nose and throat, coughing and headache. High level exposure may result in nausea, dizziness and drowsiness.

STOT - Repeated Exposure

Not classified as causing organ damage from repeated exposure.

Aspiration Hazard

Ingestion is considered unlikely due to product form. However, if liquid component is ingested, aspiration into the lungs may cause chemical pneumonitis and pulmonary oedema.

Mutagenicity

Not classified as a mutagen.

Section 12 - Ecological Information

Ecological Information

Toxicity

Toxic to aquatic life with long lasting effects.

Persistence and degradability

No information provided.

Mobility

Mobility in soil

No information provided.

Bioaccumulative Potential

No information provided.

Other Adverse Effects

Avoid contamination of drains and waterways.

Section 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.

Section 14 - Transport Information

UN Number

1950

Proper Shipping Name

AEROSOLS

Transport Hazard Class

2.1

Packing Group

None allocated.

Hazchem Code

2YE

IERG Number

49

Special Precautions for User

GTEPG: 2D1

EMS: F-D, S-U

IATA UN Number

1950

IATA Proper Shipping Name

AEROSOLS

IATA Transport Hazard Class

2.1

IATA Packing Group

None allocated.

IMDG UN Number

1950

IMDG Proper Shipping Name

AEROSOLS

IMDG Transport Hazard Class

2.1

IMDG Packing Group

None allocated.

Environmental Hazards

Marine Pollutant

Additional 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

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Proper Shipping Name: AEROSOLS
Transport Hazard Class: 2.1
Packing Group: None Allocated

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.

Section 15 - Regulatory Information

Regulatory Information

Classifications: Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).

Poisons Schedule

S5

Global Inventory Status

Country/Region Inventory	Status Description	Country/Region Inventory	Status Description
Australia (AICS/AIIC)	All components are listed on AIIC, or are exempt.		

Section 16 - Any Other Relevant Information

User Codes

User Title Label	User Codes
Wis Numbers	02938219

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

Other Information

Additional information

AEROSOL CANS may explode at temperatures approaching 50°C.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

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.

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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

Revision No: 4

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END OF SDS

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