

## Safety Data Sheet

according to WHMIS

### CO2 Cartridge

Date (latest revision): 14.01.2026

Product code: 00156-0431

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## 1. Identification

### Product identifier

CO2 Cartridge

### **Art.-No.**

S024110, 506 0351, 506 0352, 506 0375, 506 0376, 506 0454, 506 0455, 506 0605, 506 4357, 506 4371, 506 4601, 506 9637, 510 3257, 596 0413, 596 0420, 596 0421, 596 4426, 596 4430

CAS No: 124-38-9

### Relevant identified uses of the substance or mixture and uses advised against

#### **Use of the substance/mixture**

Tire repair material

### Details of the supplier of the safety data sheet

Company name: REMA TIP TOP / North America Inc.  
Street: 1500 Industrial Blvd  
Place: Madison, GA 30650, USA  
Telephone: +1 800 225 7362,  
Internet: www.rematiptop.com  
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

**Emergency telephone number:** (USA domestic) 1 800 535 5053 or international (001) 352 323 3500  
Infotrac/GBK GmbH-ID: 93591

## 2. Hazard identification

### Classification of the substance or mixture

#### **WHMIS 2015**

Gases under pressure: Compressed gas

### Label elements

#### **WHMIS 2015**

**Signal word:** Warning**Pictograms:**

#### **Hazard statements**

Contains gas under pressure; may explode if heated.

#### **Precautionary statements**

Protect from sunlight. Store in a well-ventilated place.

### Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

Extremely cold liquid and gas under pressure. Causes severe frostbite.

## 3. Composition/information on ingredients

### Substances

Sum formula: CO2

Molecular weight: 44 g/mol

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**Hazardous components**

CAS No	Chemical name	Quantity
124-38-9	Carbon dioxide	80 - 100 % (*)

(\*) The actual concentration is withheld as a trade secret.

**4. First-aid measures****Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.  
Take away from danger area and lay down affected person.

**After inhalation**

Remove the casualty into fresh air and keep him immobile.  
Consult a physician.  
If patient is not breathing, apply artificial respiration.

**After contact with skin**

In case of frostbite rinse with plenty of water. Don't remove clothing.  
In case of frostbite due to intensive contact, consult a doctor.

**After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical treatment by eye specialist.

**After ingestion**

Ingestion is not considered a potential route of exposure.

**Most important symptoms and effects, whether acute or delayed**

Higher concentrations may cause asphyxia due to reduced oxygen levels.  
Rapid evaporation of the liquid may cause frostbite.

**Indication of immediate medical attention and special treatment needed**

Treat symptoms.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

Product does not burn, fire-extinguishing activities according to surrounding.  
Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

**Unsuitable extinguishing media**

Full water jet.

**Specific hazards arising from the hazardous product**

Heating will cause pressure rise with risk of bursting.

**Special protective equipment and precautions for fire-fighters**

Use breathing apparatus with independent air supply.  
Protective suit.

**Additional information**

Cool containers at risk with water spray jet.  
Vapours are heavier than air and spread along ground.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

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**General advice**

Ensure adequate ventilation.

**For non-emergency personnel**

Avoid contact with skin, eyes and clothing.

**For emergency responders**

Use personal protective clothing.

**Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**Methods and material for containment and cleaning up****For containment**

No special measures required.

**For cleaning up**

Ventilate the room well.

**Reference to other sections**

Observe protective instructions (see Sections 7 and 8).

Information for disposal look up chapter 13.

**7. Handling and storage****Precautions for safe handling****Advice on safe handling**

Avoid contact with the skin and the eyes.

Use only in thoroughly ventilated areas.

**Advice on protection against fire and explosion**

No special protective measures against fire required.

**Advice on general occupational hygiene**

Avoid contact with eyes and skin.

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Do not breath vapours or spray mist.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Use only in well-ventilated areas.

**Hints on joint storage**

No materials to be especially mentioned.

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**8. Exposure controls/Personal protection****Control parameters****Exposure limits (ACGIH)**

CAS No	Chemical name	ppm	mg/m <sup>3</sup>	F/ml	Category	Origin
124-38-9	Carbon dioxide	5000	9000		TWA (8 h)	ACGIH-2025
		30000	54000		STEL (15 min)	ACGIH-2025

**Exposure controls**

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**Individual protection measures, such as personal protective equipment****Eye/face protection**

Safety goggles with side protection

**Hand protection**

Not required under normal use.

**Skin protection**

Not required under normal use.

**Respiratory protection**

No personal respiratory protective equipment required.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	Gaseous
Colour:	Colourless
Odour:	Odourless

**Changes in the physical state**

Melting point/freezing point:	- 56,6 °C
Boiling point or initial boiling point and boiling range:	- 78,5 °C
Sublimation point:	n.a.
Softening point:	n.a.
Flash point:	n.a.

**Flammability**

Solid/liquid: Not combustible.

**Explosive properties**

The product is not explosive.

Lower explosive limits:	n.a.
Upper explosive limits:	n.a.
Auto-ignition temperature:	n.a.

**Self-ignition temperature**Solid: n.a.  
Gas: The product is not self-igniting.

Decomposition temperature: n. d.

pH-Value: n.a.

Viscosity / dynamic: n.a.

Viscosity / kinematic: n.a.

Flow time: n.a.

Water solubility:  
(at 20 °C) 2 g/L**Solubility in other solvents**

n. d.

Partition coefficient n-octanol/water: n. d.

Vapour pressure:  
(at 20 °C) 57300 hPaDensity (at 20 °C): 0,75 g/cm<sup>3</sup>

Bulk density: n.a.

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Relative vapour density: 1,52

**Other information****Information with regard to physical hazard classes**

Sustained combustibility: No sustained combustibility

Oxidizing properties  
Non oxidizing.**Other safety characteristics**

Solvent separation test: 0 %

Solvent content: 0 %

Evaporation rate: n. d.

**Further Information**

No data available

**10. Stability and reactivity****Reactivity**

No decomposition if stored and applied as directed.

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

No hazardous reactions known.

**Conditions to avoid**Heating will cause pressure rise with risk of bursting.  
Vapours are heavier than air and spread along ground.**Incompatible materials**

No materials to be especially mentioned.

**Hazardous decomposition products**

No hazardous decomposition products known.

**11. Toxicological information****Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitizing effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

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#### Additional information on tests

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

#### Information on other hazards

##### Endocrine disrupting properties

No data available

##### Other information

Contact with eyes may cause irritation.

Higher concentrations may cause asphyxia due to reduced oxygen levels.

Rapid evaporation of the liquid may cause frostbite.

## 12. Ecological information

#### Ecotoxicity

Ecological data are not available.

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

#### Other adverse effects

No data available

#### Further information

Do not flush into surface water or sanitary sewer system.

## 13. Disposal considerations

#### Waste treatment methods

##### Disposal recommendations

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

##### Contaminated packaging

Dispose of contents/container to approved disposal company or local collection.

## 14. Transport information

#### Hazard classes:

#### Marine transport (IMDG)

##### UN number or ID number:

UN 2037

##### United Nations proper shipping name:

Receptacles, small, containing gas (gas cartridges)

##### name:

##### Transport hazard class(es):

2.2

##### Packing group:

-

Hazard label:

2.2



Marine pollutant:

No

Limited quantity:

1 L / 30 kg

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Excepted quantity: E0  
EmS: F-D, S-U

**Other applicable information (marine transport)**

Special provision 191: Product is not subject to IMDG Code.

**Air transport (ICAO-TI/IATA-DGR)**

**UN number or ID number:** UN 2037  
**United Nations proper shipping name:** Receptacles, small, containing gas (gas cartridges)  
**Transport hazard class(es):** 2.2  
**Packing group:** -  
Hazard label: 2.2



Limited quantity Passenger: 1 kg  
Passenger LQ: Y203  
Excepted quantity: E0  
IATA-packing instructions - Passenger: 203  
IATA-max. quantity - Passenger: 1 kg  
IATA-packing instructions - Cargo: 203  
IATA-max. quantity - Cargo: 15 kg

**Other applicable information (air transport)**

Special provision A98: Product is not subject to IATA-DGR.

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

## 15. Regulatory information

**Canadian regulations**

## 16. Other information

**Changes**

This data sheet contains changes from the previous version in section(s): 1.

Changes in section:

**Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
IMDG = International Maritime Code for Dangerous Goods  
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
MARPOL = International Convention for the Prevention of Pollution from Ships  
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

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GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

**Further Information**

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)