

Safety Data Sheet

according to 29 CFR 1910.1200(g)

CO2 Cartridge

Revision date: 01/14/2026

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

Recommended use of the chemical and restrictions on use

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 phone number:

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

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200

Gases under pressure: Compressed gas

Label elements

29 CFR Part 1910.1200

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.

Hazards not otherwise classified

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

none (according to 29 CFR 1910.1200(g))

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, both acute and delayed

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

Indication of any 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 (CO₂), dry chemical, water-spray.

Unsuitable extinguishing media

Full water jet.

Specific hazards arising from the chemical

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

General advice

Ensure adequate ventilation.

For non-emergency personnel

Avoid contact with skin, eyes and clothing.

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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**

CAS No	Substance	ppm	mg/m ³	f/cc	Category	Origin
124-38-9	Carbon dioxide	5000	9000		TWA (8 h)	PEL
		5000	9000		TWA (8 h)	REL
		30,000	54,000		STEL (15 min)	REL
124-38-9	Carbon dioxide	5000	9000		TWA (8 h)	ACGIH-2025
		30000	54000		STEL (15 min)	ACGIH-2025

Exposure controls**Individual protection measures, such as personal protective equipment**

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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
Color:	Colourless
Odor:	Odorless

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 explosion limits:	n.a.
Upper explosion limits:	n.a.
Auto-ignition temperature:	n.a.

Self-ignition temperatureSolid: 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.

Vapor pressure:
(at 20 °C) 57300 hPaDensity (at 20 °C): 0,75 g/cm³

Bulk density: n.a.

Relative vapour density: 1,52

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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.

Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity (STOT) - repeated exposure

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

Carcinogenicity (OSHA): Not listed.

Carcinogenicity (IARC): Not listed.

Carcinogenicity (NTP): Not listed.

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Aspiration hazard

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

Additional information on tests

This product is classified in accordance with the GHS regulations.

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**Marine transport (IMDG)****UN number or ID number:**

UN 2037

UN proper shipping name:

Receptacles, small, containing gas (gas cartridges)

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
UN 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

Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The transport takes place only in approved and appropriate packaging.

15. Regulatory information**U.S. Regulations****National regulatory information**

SARA Section 311/312 Hazards:
Carbon dioxide (124-38-9): Sudden release of pressure

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information**Changes**

Revision date: 14.01.2026
Revision No: 1,8
This data sheet contains changes from the previous version in section(s): 1.
Changes in section:

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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

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

Other data

The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.
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)