



Safety Data Sheet

BC

1. Identification

Product identifier: BC
Product code: BC390
Supplier Name: SINTO inc.
3750, 14E avenue
Saint-Georges, Québec
G5Y 8E3
Telephone: 800-463-0025
Emergency telephone number: 800-463-0025
Available hours: 8h-17h

Recommended use: Aerosol brake cleaner
Restrictions on use: None

2. Hazard identification

Hazard classification: DANGER

Product classification:



Flammable aerosols-Category 1.

Skin corrosion/irritation - Category 2, Specific target organ toxicity - single exposure - Category 3 Narcotic effects

Hazard statement(s): Extremely flammable aerosol. Pressurized container: may burst if heated. Causes skin irritation. May cause drowsiness or dizziness.

Precautionary statement(s)

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wear protective gloves, protective clothing and eye protection/face protection. Avoid breathing dust, fume, gas, mist, vapours, and spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling.



Safety Data Sheet

BC

Response: In case of fire: Use an appropriate extinguisher. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Disposal: Protect from sunlight. Do not expose to temperatures exceeding 38 °C/100°F. Store in a well ventilated place. Store locked up.

Storage: Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

Other hazards: Not applicable.

See toxicological information, section 11

3. Composition/Information on ingredients

No	CAS no	Common name and synonyms	Concentration (W/W)
1	142-82-5	Heptane mix isomers	97.00%

4. First-aid measures

If swallowed, irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.



Safety Data Sheet

BC

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Symptoms: Cough, breathing pain, eye redness and skin itching. Headaches, nausea, vomiting, dizziness, incoordination, confusion, stupor, drowsiness and death. Redness, flaking and cracking.

Effects (acute or delayed): Can cause major depression of the central nervous system. May cause at high concentration, breathing difficulty, loss of consciousness, deep coma and possibly death. May cause irritation of eyes, respiratory tract and skin dryness. May cause irritation. Following repeated or prolonged contact, it has a degreasing effect on the skin.

Immediate medical attention and special treatment: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media: Jets of water can facilitate the spread of fire.

Specific hazards arising from the hazardous product: Vapors may form explosive mixtures with air. The vapors are heavier than air and may travel to an ignition source.

Hazardous combustion products: Carbon monoxide and dioxide.

Special protective equipment and precautions for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



Safety Data Sheet

BC

6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Protective equipment and emergency procedures: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosionproof equipment. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Incompatibility: Peroxides. Strong oxidizing agents. Oxidizers.



Safety Data Sheet

BC

8. Exposure controls/Personal protection

No	CAS no	CAS name	IDHL mg/m3	TWA mg/m3	STEL mg/m3	CEIL mg/m3
1	142-82-5	Heptane mix isomers	3074	1640	2050	Not available

IDHL: Immediately Dangerous to Life or Health Concentrations

TWA : Time Weighted Average

STEL: Short -Term Exposure Limit

CEIL: Ceiling Limit

IPVS = Inmediatamente peligroso para la vida o la salud

VEPP = Valor de exposición promedio ponderado

VECD = valor de exposición de corta duración

VL = valor límite

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eyes: DO NOT WEAR CONTACT LENSES Wear anti-splash safety goggles.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

Respiratory: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Others: Wear protective clothing with long sleeves and appropriate safety shoes at all times.



Safety Data Sheet

BC

9. Physical and chemical properties

Physical state: Gas

Colour: Clear

Odour: Hydrocarbons

Odour threshold: Not available

pH: Not applicable

Melting/Freezing point: Not applicable

Initial boiling point/boiling range: Not applicable

Flash point: Not applicable

Lower flammable/explosive limit: Not applicable

Upper flammable/explosive limit: Not applicable

Auto-ignition temperature: Not applicable

Evaporation rate: Not applicable

Vapour pressure: Not applicable

Vapour density: Not applicable

Relative density: Not applicable

Solubility in water: Insoluble

Partition coefficient - n-octanol/water: Not available

Decomposition temperature: Not available

Kinematic viscosity: Not applicable

10. Stability and reactivity

Reactivity: Stable under recommended conditions of storage and handling. All compressed gases are dangerous due to high pressure in the cylinders. Even at a relatively low pressure gas can escape quickly in an open bottle or a bottle leaking.

Chemical stability: The product is chemically stable under normal conditions of use. It has often happened that damaged bottles behave like flares or reels out of control and cause serious damage or injury.

Possibility of hazardous reactions: No dangerous or polymerization reactions will not occur under normal conditions of use. Danger of explosion when heated.

Conditions to avoid: Avoid electrical discharge. Keep away from sources of ignition, open flames and sparks, Do not pierce or burn, even after use. Avoid gas leaks.

Incompatible materials: None known.

Hazardous decomposition products: Carbon monoxide and dioxide.



Safety Data Sheet

BC

11. Toxicological information

No	CAS no	CAS name	(1) LD oral	(2) LD skin	(3) LD skin	(4) LC gases	(5) LC vapours	(6) LC dusts-mist
1	142-82-5	Heptane mix isomers	>5000	Not available	>2000	Not applicable	73.50	>5,00

(1) LD₅₀ oral mg/kg

(2) LD₅₀ skin mg/kg

(3) LD₅₀ skin mg/kg

(4) LC₅₀ inhalation ppmV 4h gases

(5) LC₅₀ inhalation mg/l 4h vapours

(6) LC₅₀ inhalation mg/l 4h dusts-mist

Routes of exposure: This product is absorbed through the respiratory tract.

Symptoms: Cough, breathing pain, eye redness and skin itching. Headaches, nausea, vomiting, dizziness, incoordination, confusion, stupor, drowsiness and death. Redness, flaking and cracking.

Delayed and immediate effects: Can cause major depression of the central nervous system. May cause at high concentration, breathing difficulty, loss of consciousness, deep coma and possibly death. May cause irritation of eyes, respiratory tract and skin dryness. May cause irritation. Following repeated or prolonged contact, it has a degreasing effect on the skin.

No	CAS no	CAS name	IARC	ACGIH	Mutagenicity	Effect on reproduction
1	142-82-5	Heptane mix isomers	4	A5	No effects shown.	Not available.

Cancer classification under IARC (International Agency for Research on Cancer)

Group 1: carcinogenic to humans.

Group 2A: probably carcinogenic to humans.

Group 2B: possibly carcinogenic to humans.

Group 3: not classifiable as to its carcinogenicity to humans.

Group 4: probably not carcinogenic to humans.

Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)



Safety Data Sheet

BC

- Group A1: confirmed human carcinogen.
- Group A2: suspected human carcinogen.
- Group A3: confirmed animal carcinogen with unknown relevance to humans.
- Group A4: not classifiable as a human carcinogen.
- Group A5: not suspected as a human carcinogen.

12. Ecological information

No	CAS no	CAS name	%	Persistent	Bio-accumulation	Aquatic ecotoxicity
1	142-82-5	Heptane mix isomers	97.00	No	No	Yes

No	CAS no	CAS name	%	Ecotoxicity for aquatic organisms-Short term	Ecotoxicity for aquatic organisms-Long term	Environmental effects
1	142-82-5	Heptane mix isomers	97.00	Very toxic to aquatic life.	Very toxic to aquatic life with long lasting effects.	No known adverse effect to the environment.

13. Disposal considerations

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally.



Safety Data Sheet

BC

14. Transport information

	TDG	DOT	IMDG	IATA
UN number	1950	1950	1950	1950
Proper shipping name	AEROSOLS, flammable	AEROSOLS, flammable	AEROSOLS, flammable	AEROSOLS, flammable
Transport hazard class(es)	2.1	2.1	2.1	2.1
Packing group				

Other information

Marine pollutant: No

IMDG: Not applicable

Exemption for limited quantity: 1L

In accordance with the Canadian Transport of Dangerous Goods regulations by Road, we use the 1.17 exemption when applicable.

Special precautions: No other precaution

Others exemptions: No other exemption.

15. Regulatory information

Canada

No	CAS	CAS name	%	DSL	NDSL	NPRI
1	142-82-5	Heptane mix isomers	97.00	X		X

United-States

No	No CAS	Nom CAS	%	TSCA	PROP-65	Right to Know
1	142-82-5	Heptane mix isomers	97.00	X		X

All ingredients are listed on the EINECS or in compliance with the inventory.

The customer is responsible for determining the PPE (personal protection equipment) code for this material.

The classification of the product and the SDS were developed in accordance with HPR.



Safety Data Sheet

BC

16. Other information

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Version: 1

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