



# SAFETY DATA SHEET

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This document complies with the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** N2B

### Other means of identification

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Viscometer and/or density measurement equipment calibration and performance verification reference standard

**Uses advised against** No information available

### Supplier's details

#### **Supplier Address**

Cannon Instrument Company  
2139 High Tech Rd.  
State College, PA 16803-1733  
TEL: (814) 353-8000; (800) 676-6232

### Emergency telephone number

**Emergency Telephone Number** (800) 255-3924 Domestic CHEM-TEL Inc.  
+1 (813) 248-0585 Overseas CHEM-TEL Inc. (Please Call Collect)

## 2. HAZARDS IDENTIFICATION

### Classification

This product is considered hazardous according to the criteria set within the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

Acute Inhalation Toxicity - Vapors	Category 4
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3
Aspiration Toxicity	Category 1
Flammable liquids	Category 4

### Label Elements

**Signal Word**  
Danger

**Hazard Statements**

Harmful if inhaled  
 May cause drowsiness or dizziness  
 May be fatal if swallowed and enters airways  
 Combustible liquid.

**Physical and Health Hazards Not Otherwise Classified**

Not applicable.

**Precautionary Statements****Prevention**

- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Keep cool.

**General Advice**

- None

**Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell.

**Ingestion**

- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- Do NOT induce vomiting.

**Fire**

- In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Storage**

- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Other information**

May cause eye, skin, and respiratory tract irritation. Prolonged skin contact may defat the skin and produce dermatitis. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	50-60	-	-
Decane	124-18-5	40-50	-	-

## 4. FIRST AID MEASURES

### Description of necessary first-aid measures

<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Obtain medical attention if irritation persists.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur. Artificial respiration and/or oxygen may be necessary. If breathing has stopped, contact emergency medical services immediately.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention.

### Most important symptoms/effects, acute and delayed

<b>Most Important Symptoms/Effects</b>	Difficulty in breathing. Coughing and/ or wheezing. Drowsiness. Dizziness. Nausea. Tremors. Headaches. Neurological disorders. Irritation.
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### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to Physician</b>	Aspiration hazard.
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## 5. FIRE-FIGHTING MEASURES

<b><u>Suitable Extinguishing Media</u></b>	Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. Water fog. Cool containers with flooding quantities of water until well after fire is out.
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<b><u>Unsuitable Extinguishing Media</u></b>	CAUTION: Use of water spray when fighting fire may be inefficient.
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<b><u>Specific Hazards Arising from the Chemical</u></b>	No information available.
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<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	Yes.

<b><u>Protective Equipment and Precautions for Firefighters</u></b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition.
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### Environmental Precautions

<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.
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### Methods and materials for containment and cleaning up

<b>Methods for Containment</b>	Dike to collect large liquid spills. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
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**Methods for Cleaning Up** Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Products** Strong oxidizing agents. Halogens. Molten sulfur.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated light naphthenic 64742-53-6	5 mg/m <sup>3</sup> (as oil mist) 2 mg/m <sup>3</sup> (inhalable)	5 mg/m <sup>3</sup> (as oil mist)	-

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and Body Protection** Lightweight protective clothing. Chemical resistant gloves.  
**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**Hygiene Measures** When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical State** Liquid.  
**Odor** Hydrocarbon-like.      **Appearance** Pale yellow.  
**Odor Threshold** No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
<b>pH</b>	No data available	None known
<b>Melting Point/Range</b>	No data available	None known
<b>Boiling Point/Boiling Range</b>	>171 °C	None known
<b>Flash Point</b>	> 65 °C	Closed cup
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
upper flammability limit	No data available	
lower flammability limit	No data available	
<b>Vapor Pressure</b>	No data available	None known
<b>Vapor Density</b>	No data available	None known
<b>Relative Density</b>	No data available	None known

<b>Specific Gravity</b>	0.80	at 15 °C
<b>Water Solubility</b>	Insoluble in water.	None known
<b>Solubility in other solvents</b>	Soluble in solvents.	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition Temperature</b>	No data available	None known
<b>Decomposition Temperature</b>	No data available	None known
<b>Viscosity</b>	2 cSt @ 40°C	None known

**Flammable Properties** Combustible liquid.

**Explosive Properties** No data available

**Oxidizing Properties** No data available

#### Other information

**VOC Content (%)** No data available

## 10. STABILITY AND REACTIVITY

**Reactivity** Not reactive under normal conditions.

**Chemical stability** Stable under recommended storage conditions.

**Possibility of hazardous reactions** None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to avoid** Ignitions sources - heat, sparks and open flames.

**Incompatible materials** Strong oxidizing agents. Halogens. Molten sulfur.

**Hazardous decomposition products** Thermal decomposition can lead to release of irritating and toxic gases and vapors: Carbon oxides. Sulfur oxides. Aldehydes.

## 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

##### **Product Information**

##### **Inhalation**

Harmful by inhalation. May cause irritation of respiratory tract. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

##### **Eye Contact**

Contact with eyes may cause irritation.

##### **Skin Contact**

May cause skin irritation and/or dermatitis. Prolonged skin contact may defat the skin and produce dermatitis.

##### **Ingestion**

Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression.

#### Numerical measures of toxicity - Product

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated light naphthenic	-	-	= 2180 mg/m <sup>3</sup> ( Rat ) 4 h
Decane	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 1369 ppm ( Rat ) 8 h

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

<b>Respiratory or Skin Sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	Petroleum products are known to cause cancer because of carcinogenic components (e.g. benzene, DMSO). These carcinogenic components are typically found in crude petroleum products and are removed through the refinement process.

Chemical Name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated light naphthenic	A2	Group 1	Known	X

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**OSHA: (Occupational Safety & Health Administration)**

X - Present

<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	May cause drowsiness or dizziness
<b>STOT - repeated exposure</b>	See listed target organs below.
<b>Chronic Toxicity</b>	Repeated or prolonged exposure may cause central nervous system damage. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
<b>Target Organ Effects</b>	Liver. Kidney. Respiratory system. Central nervous system (CNS). Cardiovascular system.
<b>Neurological Effects</b>	Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system.
<b>Aspiration Hazard</b>	May be fatal if swallowed and enters airways.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Harmful to aquatic life

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Petroleum distillates, hydrotreated light naphthenic 64742-53-6		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Decane 124-18-5	EC50 24 h: = 0.043 mg/L (Chlorella vulgaris)			EC50 48 h: = 18 mg/L (Daphnia magna)

**Persistence and Degradability** Expected to be biodegradable**Bioaccumulation** No information available.

Chemical Name	Log Pow
Petroleum distillates, hydrotreated light naphthenic	> 3.5
Decane	5.1

**Mobility** No information available.**Other Adverse Effects** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations.**Contaminated Packaging** Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

<b>Note:</b>	The information provided below may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional requirements and mode-specific, material-specific, or quantity-specific shipping requirements.
<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG/IMO</u></b>	Not regulated

## 15. REGULATORY INFORMATION

### International Regulations

<b>Ozone depleting substances</b>	Not applicable
<b>Persistent Organic Pollutants</b>	Not applicable
<b>Hazardous Waste</b>	Not applicable
<b>The Rotterdam Convention (Prior Informed Consent)</b>	Not applicable
<b>International Convention for the Prevention of Pollution from Ships (MARPOL)</b>	Not applicable

### International Inventories

<b>TSCA</b>	Not determined
<b>DSL</b>	Complies
<b>EINECS</b>	Not determined
<b>ELINCS</b>	Not determined
<b>ENCS</b>	Complies
<b>IECSC</b>	Not determined
<b>KECL</b>	Complies
<b>PICCS</b>	Not determined
<b>AICS</b>	Not determined

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Petroleum distillates, hydrotreated light naphthenic		X		X	
Decane	X		X		

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

**NFPA** Health Hazard 1 Flammability 2 Instability 0 Physical and Chemical Hazards -

**HMIS** Health Hazard 1\* Flammability 2 Physical Hazard 0 Personal Protection X

**Prepared By** Product Stewardship  
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**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**