

SAFETY DATA SHEET

CI Insulex

Cold Pipe Insulation Spray · Product Code: CI-5920

For Industrial & Institutional Use Only

■ DANGER

Hazard Statements: Extremely flammable aerosol (H222). Contains gas under pressure — may explode if heated (H280). Causes serious eye irritation (H319). May cause respiratory irritation, drowsiness, or dizziness (H336).

Section 1. Product and Company Identification

Product Name:	CI Insulex
Product Code:	CI-5920
Recommended Use:	Cold pipe insulation spray
Restrictions on Use:	None known.

Supplier	Emergency Contact
Chem International 10770 180 St NW Edmonton, AB T5S 2S4 Tel: 1-800-665-7287 cheminternational.com	24-Hour Emergency: 1-800-255-3924

Section 2. Hazards Identification

GHS Classification	Category
Flammable Aerosol	Category 1 — H222
Gases Under Pressure	Liquefied Gas — H280
Eye Irritant	Category 2A — H319
Specific Target Organ Toxicity (Single Exposure)	Category 3 — H336

Signal Word: DANGER

Appearance: Clear, colourless to slight tint	Physical State: Aerosol	Odour: Alcohol/solvent
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Prevention: Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F. Store in a well-ventilated place. Avoid breathing mist, vapors, or spray. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Wear eye protection.

Response:	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison centre or doctor if unwell. If on skin: Remove contaminated clothing. Wash thoroughly with soap and water for 15 minutes. Seek medical attention if irritation develops.
Storage:	Store in a cool, dry, well-ventilated area. Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F. Do not store near heat, open flames, or other sources of ignition.
Disposal:	Dispose of contents and container in accordance with local, provincial/state, and federal regulations. Do not dump in sewers. Do not puncture, incinerate, or reuse container.
Other Hazards:	N/A. Hazards not otherwise classified: none identified.

Section 3. Composition / Information on Ingredients

Hazardous Ingredient	CAS No.	% (w/w)
Acetone	67-64-1	30–60%
Propane / Butane	68476-86-8	15–40%

A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4. First Aid Measures

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.
Skin Contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water for 15 minutes. Seek medical attention if irritation develops.
Inhalation:	Move to fresh air. If breathing is difficult, administer oxygen. If not breathing, administer artificial respiration. Seek medical attention if irritation persists.
Ingestion:	Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation develops. Never give anything by mouth to an unconscious person.

Route	Acute Health Effects
Eyes	Irritation, redness, tearing, pain.
Skin	Defatting and dermatitis. Irritation, redness, dryness.
Inhalation	Respiratory tract irritation, dizziness, headache, nausea, CNS depression, possible unconsciousness.
Ingestion	GI irritation, nausea, vomiting, diarrhea. Not a likely route under normal handling.

Chronic Health Effects:	May cause damage to kidneys, liver, and skin. CNS depression. Repeated or prolonged skin contact may remove natural skin oils, causing dryness, irritation, and possible non-allergic contact dermatitis.
Medical Conditions Aggravated:	Pre-existing conditions of the central nervous system. Existing eye and respiratory conditions.
Notes to Physician:	Treatment should be directed at the control of symptoms and the clinical condition.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media:	Dry chemical, carbon dioxide, alcohol foam, water spray or fog.
Unsuitable Extinguishing Media:	Water jets or streams.

Fire / Explosion Hazards:	EXTREMELY FLAMMABLE. Contents under pressure — exposure to temperatures above 50°C / 122°F may cause bursting. Vapours may form explosive mixtures with air. Vapours are heavier than air and can accumulate in low areas. Vapours may travel considerable distances to a source of ignition and flash back.
Hazardous Combustion Products:	Oxides of carbon and hydrocarbons.
Firefighting Instructions:	Wear NIOSH-approved SCBA with full face-piece in positive-pressure demand mode with full body protective clothing. Shut off all sources of ignition. Use water spray to disperse vapour and cool fire-exposed containers. Prevent run-off from entering streams, sewers, or drinking water supply.

Section 6. Accidental Release Measures

Personal Precautions:	Eliminate all sources of ignition. Refer to Section 8 for required PPE.
Spill Procedure:	Absorb with non-combustible material such as vermiculite, sand, or earth. Place waste in proper containers for disposal. Prevent spill from entering sewers, storm drains, and natural waterways. Small releases may be wiped up with wiping material.
Environmental Precautions:	Prevent spill from entering sewers, storm drains, and natural waterways.
Waste Disposal:	Dispose of in accordance with local, provincial/state, and federal regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.
RCRA Status:	Waste likely considered D001 (Ignitable) under RCRA; product should be fully characterized prior to disposal (40 CFR 261).

Section 7. Handling and Storage

Safe Handling:	Do not use or store near heat, open flames, or other sources of ignition. Wear proper PPE when using this product. Avoid contact with skin, eyes, and clothing. Do not inhale mist or vapour. Do not use or store with strong oxidizers. Pressurized container: do not pierce or burn, even after use. Wash hands thoroughly after handling. Keep out of reach of children.
Storage Conditions:	Store in a cool, dry, well-ventilated area. Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
Incompatible Materials:	Strong oxidizing agents and reducing agents.

Section 8. Exposure Controls / Personal Protection

8.1 Occupational Exposure Limits

Ingredient	CAS No.	OSHA PEL	ACGIH TLV
Acetone	67-64-1	1,000 ppm	250 ppm
Propane / Butane	68476-86-8	1,000 ppm	1,000 ppm

8.2 Exposure Controls

Control / PPE Type	Requirement
Engineering Controls:	Use only in well-ventilated areas.
Eye / Face Protection:	Safety glasses or goggles required.
Skin Protection:	Not required under normal use; gloves recommended for extended handling.

Respiratory Protection:	Not required with normal use. If vapours are present or irritation is experienced, use a NIOSH/MSHA-approved respirator.
Hygiene:	Avoid contact with skin, eyes, and clothing. Avoid breathing spray. Wash hands thoroughly after handling. No smoking or open flames during use.

Section 9. Physical and Chemical Properties

Physical State:	Aerosol / gas	Vapour Pressure:	Not determined
Appearance:	Clear, colourless to slight tint	Vapour Density:	Not determined
Odour:	Alcohol / solvent odour	Relative Density:	0.81 @ 25°C (77°F)
Odour Threshold:	Not determined	Solubility:	Miscible
pH:	Not applicable	Partition Coefficient:	Not determined
Melting / Freezing Point:	Not determined	Auto-ignition Temp.:	Not determined
Boiling Point:	Not determined	Decomposition Temp.:	Not determined
Flash Point:	Not determined (extremely flammable aerosol)	Viscosity:	Not determined
Evaporation Rate:	Not determined	VOC Content:	33.4%
Flammability:	Extremely flammable aerosol		
Explosive Limits:	Not determined		

Section 10. Stability and Reactivity

Reactivity:	None known under normal conditions.
Chemical Stability:	Stable.
Hazardous Reactions:	None known.
Conditions to Avoid:	Temperatures exceeding 50°C / 122°F and sources of ignition.
Incompatible Materials:	Strong oxidizing agents and reducing agents.
Hazardous Decomposition:	Oxides of carbon and hydrocarbons.

Section 11. Toxicological Information

Routes of Entry:	Eyes, inhalation, skin.
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Acetone — CAS 67-64-1	
LD50 Oral (rat)	5,800 mg/kg
LD50 Oral (mouse)	3,000 mg/kg
LD50 Oral (rabbit)	5,340 mg/kg
LC50 Inhalation (rat, 8h)	50,100 mg/m ³
LC50 Inhalation (mouse, 4h)	44,000 mg/m ³
Propane — CAS 74-98-6	
LC50 Inhalation (rat, 4h)	658 mg/L

Endpoint	Classification / Result
Skin Corrosion / Irritation	Not classified (defatting and dermatitis with prolonged exposure)
Serious Eye Damage / Irritation	Category 2A — causes serious eye irritation
Respiratory / Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified — OSHA: No; ACGIH: No; NTP: No; IARC: No
Reproductive Toxicity	Not classified
STOT — Single Exposure	Category 3 — respiratory irritation, drowsiness, dizziness
STOT — Repeated Exposure	Not classified
Aspiration Hazard	Not classified

Section 12. Ecological Information

Acetone — CAS 67-64-1 — Aquatic Toxicity	
LC50 (Oncorhynchus mykiss, 96h)	5,540 mg/L
EC50 (Daphnia magna, 48h)	6,100 mg/L
EC50 (Selenastrum quadricauda, 8d)	7,500 mg/L
EC50 (Pseudomonas putida, 16h)	1,700 mg/L

Ecological Endpoint	Result
Persistence / Degradability	This product is biodegradable.
Bioaccumulative Potential	Not expected to bioaccumulate.
Mobility in Soil	This product is mobile in soil.
Other Adverse Effects	None known.

Section 13. Disposal Considerations

Dispose of in accordance with local, provincial/state, and federal regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container. **RCRA Status:** Waste likely considered D001 (Ignitable) under RCRA; product should be fully characterized prior to disposal (40 CFR 261).

Section 14. Transport Information

Regulation	Proper Shipping Name	UN No.	Class / Div.	Pkg Group
DOT (Ground)	Aerosols, Ltd. Qty.	UN1950	2.1	N/A
IATA (Air)	Aerosols, flammable	UN1950	2.1	N/A
IMDG (Sea)	Aerosols	UN1950	2.1	N/A
TDG (Canada)	Aerosols, flammable	UN1950	2.1	N/A

Environmental Hazards

(Water):

N/A

Section 15. Regulatory Information

US Federal Regulations

Regulation	Status / Details
TSCA	All chemicals listed or exempt.
CERCLA (40 CFR 302)	Acetone (67-64-1) — Reportable Quantity: 5,000 lbs.
SARA 311/312 Hazard Categories	Flammable (aerosol); Gas under pressure; Serious eye damage/irritation; Specific target organ toxicity (single/repeated exposure).
SARA 313	No chemical components exceed threshold de minimis reporting levels under SARA Title III, Section 313 (40 CFR Part 372).
Clean Water Act	Acetone (67-64-1) is a hazardous substance.

State Regulations

Component	Listed States
Acetone (67-64-1)	CA, DE, ID, ME, MA, MN, NJ, PA, RI, WA — State Hazardous Substances Inventories, Right-to-Know, and/or Air Quality lists.

California Proposition 65: This product does not contain chemicals regulated by California Proposition 65.

VOC Content:

33.4%

Section 16. Other Information

Issue Date:

August 8, 2024

Revision Date:

April 16, 2026

Version:

2

Revision Notes:

Supplier updated to Chem International. Formatting revised to CI standard.

NFPA Ratings	HMIS® Ratings
Health: 2 Fire: 3 Reactivity: 0 Special: None	Health: 2 Flammability: 3 Physical Hazards: 0 PPE: A

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