

SAFETY DATA SHEET

2359

GHS format

SECTION 1 IDENTIFICATION

SDS REC'D by Trane May 28, 2015

Product Name: SF Leak Detector (dauber-type)**Product Number(s):** LEK024508**Product Use:** Leak detecting solution, dauber-type **Restrictions on use:** None known**Distributed by:** Ingersoll Rand**Manufactured by:** North American Research Corporation

P.O. Box 1318

519 Huffines Blvd.

Lewisville, TX 75067

Lewisville, TX 75056

Telephone Numbers: (972) 492-1800, (800) 527-7520, Fax (972) 394-6755**Emergencies:** Infotrac (24 hours, everyday) (800) 535-5053 (US & Canada) 1 (352) 323-3500 (International)

SECTION 2 HAZARD(S) IDENTIFICATION

Classification	Category
Flammable liquids	4
Serious eye damage / eye irritation	2A
Specific target organ toxicity, single exposure	3

Symbol(s):

**Signal Word:** Warning**Hazard statement(s):** Combustible liquid. Causes serious eye irritation. May cause drowsiness or dizziness.**Precaution(s):** Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Wear protective gloves / eye and face protection. Wash thoroughly after handling. Avoid breathing fume/vapors. Use only in a well-ventilated area.

In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

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/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

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

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards: None determined.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Registry No.	Weight %
Isopropyl alcohol	67-63-0	15 – 20

If the specific chemical identity and/or the exact percentage of an ingredient is not specified, the information has been withheld as a trade secret.

SECTION 4 FIRST-AID MEASURES

Eye contact: 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/attention.**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.**Skin contact:** IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.**Ingestion:** IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.**Most important symptoms/effects:** Irritation. Drowsiness and dizziness.**Indication of immediate medical attention and special treatment needed, if necessary:****Notes to physician:** Treat symptomatically.**Specific treatments:** Show this safety data sheet to the doctor in attendance.

SECTION 5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Do not use a solid water stream as it may scatter and spread fire.**Specific hazards arising from the chemical:**

Vapor may cause flash fire. Vapors can flow along surfaces to distant ignition source and flash back. Sensitive to static discharge.

Special protective equipment for fire-fighters: Use appropriate equipment for surrounding fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precaution, protective equipment and emergency procedures: Keep unnecessary personnel away. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Extinguish all flames in the vicinity. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate closed spaces before entering. See Section 8 of the SDS for Personal Protective Equipment.

Methods and materials for containment and cleaning-up:

Contain liquid to prevent contamination of soil, surface water or ground water. Clean up residual with non-combustible absorbent material and wash with water. Collect material in suitable and properly labeled containers.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Eliminate sources of ignition. Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities: KEEP OUT OF REACH OF CHILDREN. Store locked up. Keep tightly closed in original container.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	CAS	OSHA PEL	ACGIH TLV	NIOSH
Isopropyl alcohol	67-63-0	TWA: 400 ppm	TWA: 400 ppm STEL: 500 ppm	REL: 980 mg/m ³ 400 ppm STEL: 1225 mg/m ³ 500 ppm

Appropriate engineering controls: Provide adequate general and local exhaust ventilation.

Individual protection measures (PPE):

Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

Eye protection: Wear safety glasses with side shields. If splash potential exists, wear full face shield or chemical goggles.

Hand protection: Wear suitable protective gloves.

Skin and body protection: If major exposure is possible, wear suitable protective clothing and footwear.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be implemented whenever workplace conditions warrant use of a respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fluorescent yellow liquid	U/L flammability or explosive limits	Not determined
Odor	Alcohol	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density	Not determined
pH	Not applicable	Relative density (specific gravity)	0.96
Melting point/freezing point	0°F (-17.8°C)	Solubility(ies)	100%
Initial boiling point and boiling range	190°F (88°C) approximate	Partition coefficient: n-octanol/water	Not determined
Flash point	171°F (77.2°C) PMCC	Auto-ignition temperature	Not determined
Evaporation rate	Not determined	Decomposition temperature	Not determined
Flammability (solid, gas)	Not determined	Viscosity	Thickened liquid

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.

Chemical stability: Stable under normal temperature conditions and recommended use.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Heat, flames and sparks. Ignition sources. Contact with incompatible materials.

Incompatible materials: Oxidizing agents, acids, halogenated compounds.

Hazardous decomposition products: No hazardous decomposition products are known.

SECTION 11 TOXICOLOGICAL INFORMATION**Information on likely routes of exposure:**

Ingestion: May cause central nervous system depression, dizziness, drowsiness, and nausea.

Inhalation: May cause central nervous system depression, dizziness, drowsiness, and nausea. May cause narcotic effects in high concentrations.

Eye contact: Causes serious eye irritation.

Skin contact: May cause skin irritation.

Symptoms related to the physical, chemical and toxicological characteristics: Irritation. Drowsiness and dizziness.

Numerical measure of toxicity, component information:

Chemical name	CAS	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Isopropyl alcohol	67-63-0	5,045 mg/kg (rat)	12,800 mg/kg (rabbit)	Data not available

Acute toxicity:

Skin corrosion/irritation: Not assigned

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory sensitization: Not assigned.

Skin sensitization: Not assigned.

Germ cell mutagenicity: Not assigned.

Carcinogenicity: This material is not classified as a carcinogen by IARC, ACGIH, NTP or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity: Isopropyl alcohol (CAS 67-63-0): 3 Not classifiable as to carcinogenicity to humans.

Reproductive Toxicity: No data available.

Specific target organ toxicity, single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity, repeated exposure: No data available.

Chronic effects: No data available.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulation potential: No information available.

Mobility in soil: No information available.

Other adverse effects: None known.

SECTION 13 DISPOSAL CONSIDERATIONS

Unused product: Dispose of container and contents in accordance with local, regional, national and international regulations.

Contaminated containers or packaging: Dispose of packaging or containers in accordance with local, regional, national and international regulations.

SECTION 14 TRANSPORT INFORMATION

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT, IMDG, IATA	Not regulated	—	—	—

SECTION 15 REGULATORY INFORMATION

TSCA: All components of this product are on the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory or are exempt.

CERCLA: No listed ingredients.

SARA TITLE III:

Section 311/312 Hazard Category:

Acute: No Chronic: No Fire: Yes Sudden Release of Pressure: No Reactive Hazard: No

Section 313 Reportable Ingredients: No listed ingredients.

CALIFORNIA (Proposition 65): No listed ingredients.

SECTION 16 OTHER INFORMATION

Date Prepared: May. 4, 2015 **Replaces:** None (new)

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