

MATERIAL SAFETY DATA SHEET

MSDS No.: 5060
Effective Date: 02/04/03
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SECTION 1-CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: I.D. Technologies NIINHYDRIN PUMP SPRAY, 8 oz.

FORMULA: MIXTURE

PRODUCT NO.: 5060

I.D. Technologies

*Division of Hitt Marking Devices, Inc.
3231 W. MacArthur Blvd.
Santa Ana, CA 92704
714.979.1405
800.969.6699
FAX 714.979.1407*

IN CASE OF EMERGENCY: CALL CHEMTREC
(800) 424-9300 (USA/North America)
(703) 527-3887 (outside the US – collect calls accepted)

SECTION 2-COMPOSITION, INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS No.</u>	<u>PERCENT CONCENTRATION</u>
Dichlorofluoroethane	1717-00-6	99.3
Ninhydrin Crystals	485-47-2	0.1
Ethyl Alcohol	64-17-5	0.4
Acetic Acid, Glacial	64-19-7	0.2

SECTION 3-HAZARD IDENTIFICATION

ACUTE HEALTH EFFECTS

CAUTION! May cause irritation to skin, eyes and respiratory tract. Avoid breathing vapor and eye/skin contact.

CHRONIC HEALTH EFFECTS

CARCINOGENIC POTENTIAL: NTP, IARC or OSHA regulates no component in this product as a carcinogen or potential carcinogen.

TARGET-ORGAN EFFECTS: Prolonged exposure may cause irritation of the skin (defatting of skin), CNS depression and cardiac arrhythmia. Vapors may displace air and can cause suffocation especially in a confined space.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with pre-existing eye, skin, or respiratory disorders may be more susceptible to the effects of this substance.

NFPA RATING:	<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>	<u>Personal Protection</u>
Dichlorofluoroethane:	1-Minor	0-None	1-Minor	See Section 8.

HMIS RATING	<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>	<u>Personal Protection</u>
Dichlorofluoroethane:	1-Minor	0-None	1-Minor	See Section 8.

SECTION 4-FIRST-AID MEASURES

PRIMARY ROUTES OF ENTRY / FIRST AID

INHALATION: Remove victim from exposure area to fresh air. Give artificial resuscitation if breathing has stopped. Give oxygen if breathing is difficult. Do not give stimulants or adrenaline (epinephrine). Seek medical attention immediately.

EYE/SKIN CONTACT: Flush eyes with water for at least 15 minutes. Remove contaminated clothing. Seek medical attention if irritation or redness develops or persists.

INGESTION: Do not induce vomiting unless directed by a physician. Do not give stimulants. Seek medical attention immediately.

SECTION 5-FIREFIGHTING MEASURES

FLASH POINT: 25°C (77°F) Closed Cup EPA 1010
EXPLOSIVE LIMITS (LEL / UEL): Dichlorofluoroethane LEL 17.7 UEL 7.6

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam or water in flooding amounts as fog. Solid streams may not be effective.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective equipment.

UNUSUAL FIRE AND EXPLOSIVE DATA: Emits toxic fumes under fire conditions.

SECTION 6-ACCIDENTAL RELEASE MEASURES

Wear protective clothing and equipment as specified in Section 8. Remove all sources of ignition. Use non-sparking tools. Contain spill and absorb with an inert material. Scoop up and place in an approved hazardous waste container.

SECTION 7-HANDLING AND STORAGE

Store in a clean, dry area away from excessive heat. Keep container tightly closed.

SECTION 8-EXPOSURE CONTROLS, PERSONAL PROTECTIVE

	<u>Dichlorofluoroethane</u>
OSHA PEL:	Data not available.
OSHA STEL:	Data not available.
OSHA TABLE Z-2 TWA:	Data not available.
OSHA CEILING:	Data not available.
ACGIH (TLV) TWA:	Data not available.
ACGIH STEL:	Data not available.
ACGIH CEILING TWA:	3 ppm
ORAL RAT LD50:	> 5 gm/kg

EYES: Chemical safety goggles or glasses.

GLOVES: Chemical-resistant gloves.

RESPIRATORY: Wear a self-contained breathing apparatus or respirator with approved NIOSH / MSHS cartridges.

VENTILATION: Mechanical exhaust, fume hood or chamber.

OTHER: Protective clothing as required. Wash hands and face before eating and drinking.

SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES

	<u>Dichlorofluoroethane</u>
BOILING POINT:	89.6°F
VAPOR PRESSURE (mm Hg @ 68°F):	10.02
VAPOR DENSITY (air=1):	4.1
WATER SOLUBILITY:	0.17% @ 77°F
APPEARANCE AND ODOR:	Colorless liquid, sweet odor.
MELTING POINT:	Data not available.
SPECIFIC GRAVITY:	1.24
% VOLATILE BY VOLUME:	100
EVAPORATION RATE (ether=1):	>1.0

SECTION 10-STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of use and storage.

INCOMPATIBILITY: Reacts with strong acids and alkalis.

LYNN PEAVEY NINHYDRIN PUMP SPRAY

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrochloric and hydrofluoric acids.

CONDITIONS TO AVOID: Excessive heat and flame, incompatible substances.

SECTION 11-TOXICOLOGICAL INFORMATION

Toxicological data for this product has not been determined. Refer to Section 8 for exposure controls.

SECTION 12-ECOLOGICAL INFORMATION

Environmental impact for this product has not been determined.

SECTION 13-DISPOSAL INFORMATION

Ensure compliance with all local, state, and federal regulations or contact an approved and licensed disposal agency.

SECTION 14-TRANSPORT INFORMATION

US DOT:

Proper Shipping Name: Not regulated.

Hazard Class or Division: Not applicable.

Identification Number: Not applicable.

ICAO:

Proper Shipping Name: Not regulated.

Class or Division: Not applicable.

UN or ID Number: Not applicable.

SECTION 15-REGULATORY INFORMATION

Dichlorofluoroethane is subject to EPA SARA Title III and TSCA reporting requirements. This component is regulated by the Clean Air Act as an ozone depleting substance.

SECTION 16-OTHER INFORMATION

This information is believed to be correct, however no warranties are made with respect to this information and the Lynn Peavey Co. assumes no liability resulting from use. Make independent determinations of the suitability and completeness of information from all sources, to assure proper use and disposal of this product and personnel safety and health. Data for each component is specified where applicable as mixtures have not been tested.