

NC12720

MSDS

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COLD SPRAY

MATERIAL IDENTIFICATION

Marketer:	Cramer Products, Inc. 153 W. Warren Gardner, KS 66030
Phone Number:	913-856-7511
Chemical Trade Name, synonyms:	NA
Chemical Family:	Mixture
Chemical Formula:	Proprietary Formula

HAZARDOUS INGREDIENTS

Material	CAS Number	PEL/TLV, Source	Percent
n-Butane	106-97-8	800 ppm, ACGIH	40-45
Isopentane	78-78-4	600 ppm, ACGIH	35-40
1,1,1,2-Tetrafluoroethane	811-97-2	1,000 ppm, ACGIH	15-20
Isopropyl Alcohol	67-63-0	400 ppm, OSHA	<2

PHYSICAL DATA

Boiling Range	-15° - 180°F
Pressure in can at 70°F	Approx. 48 psig
Vapor Density (Air=1)	Greater than 1.0
Solubility in water	Negligible
Specific Gravity (Water=1)	Less than 1.0
Percent Volatile by weight	100%
Evaporation Rate (BuAce=1)	Greater than 1
Appearance and odor	Clear colorless liquid, slight ether odor

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Remove or extinguish ignition or combustion sources. Evacuate enclosed spaces until gas is dispersed. Keep upwind. Stop leak if possible without risk. Disperse gas with floor-level forced-air ventilation. Exhaust vapors outdoors. Remove all flames, heating elements and gas.

Waste disposal method

Dispose of in accordance with all local, state and federal regulations.

SPECIAL PROTECTION INFORMATION

Respiration Protection	If TLV is exceeded wear NIOSH-approved self-contained breathing device or respirator.
Ventilation	Must be adequate to maintain vapors at less than 400 ppm, particularly at floor level as vapors are heavier than air.
Protective gloves	None needed for normal use. Use synthetic rubber such as Neoprene if prolonged exposure is likely.
Eye Protection	Safety glasses or goggles recommended

HANDLING AND STORAGE PRECAUTIONS

Precautions to be taken in handling and storage

Do not store where temperature may exceed 120°F. Store away from, fire, sparks, or flame.

SPECIAL PRECAUTIONS

Precautions for usage

Follow all label directions. Observe all labeled cautions and warnings. Do not use near heat, fire, flame or sparks. Avoid excessive breathing of vapor.

Notice: This data represents typical values, not product specifications. No guarantee of accuracy or completeness is made. No responsibility is assumed for any kind of loss or damages arising from use of this data.

End of MSDS