SAFETY DATA SHEET

J&B PART NUMBER

9506

SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product ID: J&B FLEET FREEZE RELEASE
Product Name: J&B FLEET FREEZE RELEASE
Revision Date: Jun 05, 2018
Version: 1.0
Distributor's Name: J & B FLEET- INDUSTRIAL SUPPLY
Address: 22428 HARRISBURG-WESTVILLE RD - ALLIANCE, OH 44601
Emergency Phone: 1-800-535-5053
Information Phone Number: (330) 821-6342
Fax:
Product/Recommended Uses: Penetrating Oil

Supersedes Date: Feb 14, 2018
DATE PRINTED: 4/3/20

SECTION 2) HAZARDS IDENTIFICATION

Classification

Acute toxicity Inhalation - Category 4

Aerosols Category 1

Eye Irritation - Category 2

Gases Under Pressure Liquefied Gas

Specific Target Organ Toxicity - Single Exposure - Category 3

Pictograms

Signal Word

Danger

Hazardous Statements - Physical

H222 - Extremely flammable aerosol

H280 - Contains gas under pressure, may explode if heated

Hazardous Statements - Health

H332 - Harmful if inhaled

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

Precautionary Statements - Prevention

P261 - Avoid breathing vapors or spray.

P271 - Use only outdoors or in a well-ventilated area.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves and eye protection.

Precautionary Statements - Response

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical attention.

Precautionary Statements - Storage

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P403 - Store in a well-ventilated place.

P405 - Store locked up.

Precautionary Statements - Disposal

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

SECTION 3) COMPOSITION, INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0000075-37-6	DIFLUOROETHANE	65% - 85%
0063148-62-9	POLYDIMETHYLSILOXANE	10% - 25%
0000108-10-1	METHYL ISOBUTYL KETONE	1.0% - 10%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

Eye Contact

Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

Skin Contact

Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.

Ingestion

Ingestion is not a likely route of exposure. Get medical attention if you feel unwell.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam, Alcohol foam, CO2, Dry Chemical, Water fog.

Unsuitable Extinguishing Media

Water may be ineffective but can be used to cool containers exposed to heat or flame.

Specific Hazards in Case of Fire

Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes.

Fire-Fighting Procedures

Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat.

Special Protective Actions

Wear goggles and use a self-contained breathing apparatus. If water is used, fog nozzles are preferred.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Avoid breathing vapors. Ventilate area. Remove all sources of ignition.

Recommended Equipment

Clean up with an absorbent material and place in closed containers for disposal.

Personal Precautions

Wear safety glasses and gloves.

Environmental Precautions

Stop spill/release if it can be done safely.

SECTION 7) HANDLING AND STORAGE

General

Do not puncture or incinerate (burn) cans. Do not stick pins, nails, or any other sharp objects into opening on top of can. Do not spray in eyes. Do not take internally.

Ventilation Requirements

Use in a well ventilated place.

Storage Room Requirements

Store and use in a cool, dry, well-ventilated area. Do not store above 120°F. See product label for additional information.

SECTION 8) EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye Protection

Safety glasses with side shields should be used if indicated. Eye wash and safety showers in the workplace are recommended.

Skin Protection

Use solvent-resistant protective gloves for prolonged or repeated contact.

Respiratory Protection

Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved air line respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Appropriate Engineering Controls

Ventilation should be sufficient to prevent inhalation of any vapors.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen
DIFLUOROETHANE		2.5			1							
METHYL ISOBUTYL KETONE	100	410			1			50	205	75	300	

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)
DIFLUOROETHANE		2.5		
METHYL ISOBUTYL KETONE	20		75	307

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	7.93969 lb/gal
Density VOC	0.31759 lb/gal
% VOC	4.00000%

Appearance	Aerosol
Odor Threshold	N.A.
Odor Description	N.A.
pH	N.A.
Water Solubility	Not soluble
Flammability	Flash point below 73°F/23°C
Flash Point Symbol	N.A.
Flash Point	N.A.
Viscosity	N.A.
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Density	Slower than ether
Melting Point	N.A.
Freezing Point	N.A.
Low Boiling Point	N.A.
High Boiling Point	N.A.
Decomposition Pt	N.A.
Auto Ignition Temp	N.A.
Evaporation Rate	Slower than ether

SECTION 10) STABILITY AND REACTIVITY

Stability

The product is stable under normal storage conditions.

Conditions to Avoid

High temperatures.

Incompatible Materials

No data available.

Hazardous Reactions/Polymerization

None known.

Hazardous Decomposition Products

Hazardous decomposition products may include carbon dioxide, carbon monoxide, and other toxic fumes.

SECTION 11) TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation

No data available

Classification of the substance or mixture

There is no ecological data available for this product.

Serious Eye Damage/Irritation

Causes serious eye irritation

Carcinogenicity

No data available

Germ Cell Mutagenicity

No data available

Reproductive Toxicity

No data available

Respiratory/Skin Sensitization

No data available

Specific Target Organ Toxicity - Single Exposure

No data available

Specific Target Organ Toxicity - Repeated Exposure

No data available

Aspiration Hazard

No data available

Acute Toxicity

Harmful if inhaled

Potential Health Effects - Miscellaneous

0000108-10-1 METHYL ISOBUTYL KETONE

The following medical conditions may be aggravated by exposure: asthma, respiratory disease, eye disorders, pulmonary conditions, skin disorders. Repeated or prolonged skin contact may cause any of the following: dryness, cracking of the skin, defatting. Inhalation may cause any of the following: dizziness, stupor (central nervous system depression), drowsiness, respiratory tract irritation.

0000108-10-1 METHYL ISOBUTYL KETONE

LC50 (rat): 2000 - 4000 ppm (4-hour exposure) (1)

LD50 (oral, rat): 2,080 mg/kg (1)
LD50 (oral, male mouse): 1,200 mg/kg; cited as 1.5 mL/kg (3)
LD50 (dermal, rabbit): greater than 3000 mg/kg (9)

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence and Degradability

No data available.

Bio-Accumulative Potential

No data available.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Water Disposal

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information

UN number: UN1950

Proper shipping name: Aerosols, flammable, (each not exceeding 1 L capacity) (LTD QTY)

Hazard class: 2.1

IMDG Information

UN number: UN1950

Proper shipping name: Aerosols, flammable, (each not exceeding 1 L capacity) (LTD QTY)

Hazard class: 2.1

IATA Information

UN number: UN1950

Hazard class: 2.1

Proper shipping name: Aerosols, flammable, (each not exceeding 1 L capacity) (N/A)

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000075-37-6	DIFLUOROETHANE	65% - 85%	SARA312,TSCA,ACGIH,OSHA
0063148-62-9	POLYDIMETHYLSILOXANE	10% - 25%	SARA312,TSCA
0000108-10-1	METHYL ISOBUTYL KETONE	10% - 10%	SARA313, CERCLA,HAPS,SARA312,VOC,TSCA,RCRA,ACGIH,CA_Prop65 - California Proposition 65,OSHA

SECTION 16) OTHER INFORMATION

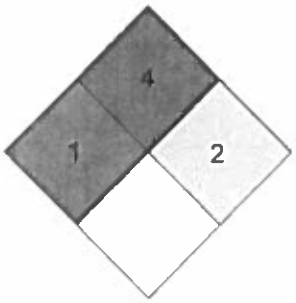
Glossary

* There are points of differences between OSHA GHS and UN GHS. In 90% of the categories, they can be used interchangeably, but for the Skin Corrosion/Irritant Category and the Specific Target Organ Toxicity (Single and Repeated Exposure) Categories. In these cases, our system will say UN GHS.

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

HMIS

NFPA



(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

Revision Date: Jun 05, 2018

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