

Material Safety Data Sheet

Bandit HY-3 Pack

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Bandit HY-3 Pack
DISTRIBUTOR: Bandit NV
Nijverheidslaan 1547
B-3660 Oplabbeek Belgium
Tel 0032 89 85 85 65
Fax: 0032 89 85 23 64

IN CASE OF EMERGENCY CALL:
0032 89 85 85 65

2. COMPOSITION / INFORMATION ON INGREDIENTS

A mixture of glycols and R-125 as a internal propellant gas.

Dangerous ingredient:

Trade name	INCI name	CASnr	%
R 125	Pentafluoroethane	354-33-6	8

3. HAZARDS IDENTIFICATION

Skin: None known.
EYES: Fog may irritate.
INHALATION : Fog may irritate.
INGESTION: Ingestion is unlikely.
DELAYED EFFECTS: None Known

4. FIRST AID MEASURES

SKIN: If irritate, promptly flush skin with water. Get medical attention if symptoms persist.
EYES: Immediately flush eyes with water. Get medical attention if symptoms persist.
INHALATION: Remove patient to fresh air. Get medical attention immediately.
INGESTION: Ingestion is unlikely because of the physical properties and is not expected to be hazardous.

5 FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: Gas, not applicable.
FLASH POINT METHOD: Not applicable
AUTOIGNITION TEMPERATURE: >750°C

UPPER FLAME LIMIT (volume % in air): Not applicable
LOWER FLAME LIMIT (volume % in air): Not applicable
FLAME PROPAGATION RATE (solids): Not applicable
OSHA FLAMMABILITY CLASS: Not applicable

EXTINGUISHING MEDIA:

Use any standard agent – choose the one most appropriate for type of surrounding fire (material itself is not flammable)

UNUSUAL FIRE AND EXPLOSION HAZARDS:

HY-3 fog is not flammable at ambient temperatures and atmospheric pressure..

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:

Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE:

Not applicable.

7. HANDLING AND STORAGE

NORMAL HANDLING: Follow standard safety precautions for handling and use of compressed gas cylinders.

STORAGE RECOMMENDATIONS:

Store in a cool, well-ventilated area of low fire risk. Protect cylinder and its fittings from physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide local ventilation at filling zones and areas where leakage is probable. Mechanical (general) ventilation may be adequate for other operating and storage areas.

PERSONAL PROTECTIVE EQUIPMENT

SKIN PROTECTION: Normally applying protection

EYE PROTECTION: Normally applying protection.

RESPIRATORY PROTECTION: None generally required for adequately ventilated work situations

ADDITIONAL RECOMMENDATIONS: follow the national and international law.

EXPOSURE GUIDELINES : None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, colourless fog.

PHYSICAL STATE: Gas at ambient temperatures

MOLECULAR WEIGHT: Unknown

ODOR: gentle mint fragrance.

SPECIFIC GRAVITY (water = 1.0): Unknown

SOLUBILITY IN WATER (weight %): Unknown

pH: Neutral

BOILING POINT: Unknwon
FREEZING POINT: Not determined
VAPOR PRESSURE: Unknown.
VAPOR DENSITY : Unknown.
EVAPORATION RATE: Unknown.
FLASH POINT: Unknown

10. STABILITY AND REACTIVITY

NORMALLY STABLE? (CONDITIONS TO AVOID):

The product is stable.

HAZARDOUS DECOMPOSITION PRODUCTS:

Halogens, halogen acids and possibly carbonyl halides.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION

IMMEDIATE (ACUTE) EFFECTS:

LC50 : 4 hr. (rat) - > 800,000 ppm / Cardiac Sensitization threshold (dog) 75,000 ppm

DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS:

Teratogenic NOEL (rat and rabbit) – 50,000 ppm

Subchronic inhalation (rat) NOEL – \geq 50,000 ppm

Chronic NOEL – 10,000 ppm

OTHER DATA:

Not active in four genetic studies

12. ECOLOGICAL INFORMATION

Degradability (BOD): HY-3 fog is a gas at room temperature; therefore, it is unlikely to remain in water.

Octanol Water Partition Coefficient: Log Pow = 1.48

13. DISPOSAL CONSIDERATIONS

Not a hazardous waste

OTHER DISPOSAL CONSIDERATIONS:

Disposal must comply with federal, state, and local disposal or discharge laws.

14. TRANSPORT INFORMATION

SHIPPING NAME: HY-3 pack

HAZARD CLASS: 2.2

PACKING GROUP: Not applicable

ID NUMBER: UN3220

15. REGULATORY INFORMATION

The product has been classified according to of EC the directives (the regulation concerning dangerous goods) and has been characterised.

16. OTHER INFORMATION

R-125 is subject to U.S. Environmental Protection Agency Clean Air Act Regulations at 40 CFR Part 82.

WARNING: DO NOT vent to the atmosphere. To comply with provisions of the U.S. Clean Air Act, any residual must be recovered. **Contains Pentafluoroethane (HFC-125)**, a greenhouse gas which may contribute to global warming.

WHMIS CLASSIFICATION (CANADA):

This product has been evaluated in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

FOREIGN INVENTORY STATUS: EU - EINECS # 2065578

*These data have been based on the current score of our knowledge.
They describe however no guarantee of product properties and establish
no contractual Right relation*