

SAFETY DATA SHEET

JANGRO FLY & BUG KILLER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name JANGRO FLY & BUG KILLER
Internal Id A5920

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Insecticidal spray.

1.3. Details of the supplier of the safety data sheet

Supplier JANGRO LTD
JANGRO HOUSE
WORSLEY ROAD
FARNWORTH
BOLTON
BL4 9LU
0845 458 5223
enquiries@jangrohq.net

1.4. Emergency telephone number

+44 (0) 777 8505 330

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) F+;R12. N;R50/53.

2.2. Label elements

Labelling



Extremely flammable



Dangerous for the environment

Risk Phrases

R12 Extremely flammable.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

A1 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
A2 Do not spray on a naked flame or any incandescent material.
S2 Keep out of the reach of children.
S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe vapour/spray.
S35 This material and its container must be disposed of in a safe way.
S51 Use only in well-ventilated areas.

2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

HYDROCARBON PROPELLANT	30-60%	
CAS-No.: 68476-85-7	EC No.: 270-704-2	
Classification (EC 1272/2008) Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	Classification (67/548/EEC) F+;R12.	
Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics	5-10%	
CAS-No.:	EC No.: 926-141-6	Registration Number: 01-2119456620-43-xxxx
Classification (EC 1272/2008) EUH066 Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65. R66.	
TETRAMETHRIN	0-1%	
CAS-No.: 7696-12-0	EC No.: 231-711-6	
Classification (EC 1272/2008) Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) N;R50/53.	
d-PHENOTHRIN	0-1%	
CAS-No.: 188023-86-1	EC No.: 247-404-5	
Classification (EC 1272/2008) Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) N;R50/53.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact

Wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact

Rinse the eye with water immediately. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort if swallowed.

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Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Irritation of eyes and mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire.

5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Do not smoke, use open fire or other sources of ignition. Do not breathe vapour.

6.2. Environmental precautions

Do not discharge onto the ground or into water courses.

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb with inert, damp, non-combustible material, then flush area with water.

6.4. Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Store in closed original container at temperatures between 0°C and 40°C.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
HYDROCARBON PROPELLANT	WEL	600 ppm	1430 mg/m3	750 ppm	1780 mg/m3	
Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics	WEL		1000 mg/m3			

WEL = Workplace Exposure Limit.

SODIUM NITRITE (CAS: 7632-00-0)

DNEL

Industry	Inhalation.	Systemic Effects	2		
Industry	Inhalation.	Long Term	Systemic Effects	2 mg/m3	

PNEC

Freshwater	.0054	mg/l			
Sediment (Freshwater)	.0195	mg/kg			
Intermittent release	.0054	mg/l			
Sediment (Marinewater)	.0223	mg/kg			
Marinewater	.00616	mg/l			
STP	21	mg/l			
Soil	.000733	mg/kg			

8.2. Exposure controls

Protective equipment



Engineering measures

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Rubber, neoprene or PVC.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	White / off-white.
Odour	Pleasant, agreeable.
Solubility	Emulsifiable in water.

9.2. Other information

No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

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Materials To Avoid

No incompatible groups noted.

10.6. Hazardous decomposition products

Fire or high temperatures create: Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

Gastrointestinal symptoms, including upset stomach.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

Irritation of eyes and mucous membranes.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1. Toxicity

Acute Toxicity - Fish

Not determined.

12.2. Persistence and degradability

Degradability

The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility:

The product is partly soluble in water. May spread in the aquatic environment.

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1950

UN No. (IMDG) 1950

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UN No. (ICAO)

1950

14.2. UN proper shipping name

Proper Shipping Name AEROSOLS

14.3. Transport hazard class(es)

ADR/RID/ADN Class Class 2.1: Flammable gases.

IMDG Class 2.1

ICAO Class/Division 2.1

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group 5F

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6. Special precautions for user

Tunnel Restriction Code (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

Control of Substances Hazardous to Health.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Dangerous Preparations Directive 1999/45/EC.

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Date 14/05/14

Revision 2.1

Supersedes date 04/07/13

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Risk Phrases In Full

R12	Extremely flammable.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

EUH066	Repeated exposure may cause skin dryness or cracking.
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.