



Jangro Limited  
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## PRODUCT SAFETY DATA SHEET

### 1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Product Name: JWS AIR CARE REFILL  
Applications: Fragranced aerosol spray designed for use in proprietary automated dispensers.  
Supplier: Jangro Limited, as above  
Emergency: 0800 535 5053 (24hr)

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	EC No.	CAS No.	Contents	Symbol	Risk Phrase
Ethanol	200-578-6	67-17-5	10-15%	F	11
Propan-2-ol	200-661-7	67-63-0	5-10%	Xi, F	11-36-67
3, 7 Dimethyloctan 9-yl acetate	244-033-0	20780-48-7	<1	Xi, N	38-51/53
Benzyl benzoate	204-402-9	120-51-4	<1	Xn, N	22-51/53
Hexahydro-hexamethyl-cyclpenta-benzopyran	214-946-9	1222-05-05	<1	N	50-53
Butylphenyl methylopropional	201-289-8	80-54-6	<1	Xn	22-43
Geraniol	203-377-1	106-24-1	<1	Xi	38-43
Hexyl cinnamal	202-983-3	101-86-0	<1	Xi	43

The full text for all R-Phrases are shown in section 16

Composition Comments: Mixture of organic solvents, perfume & propane / iso-butane (propellant).

### 3 HAZARDS IDENTIFICATION

Hazard Designation: F+ Extremely Flammable

Information pertaining to particular Dangers for man and environment: R12 Extremely Flammable  
R52/3 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification system: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information by supplier companies.

### 4 FIRST AID MEASURES

Eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
Skin: Remove soaked clothing and launder before reuse. Wash skin with soap and water. If symptoms develop or persist, consult a doctor.  
Inhalation: Following inhalation of large amounts of vapour supply fresh air, consult a doctor if symptoms Develop.  
Ingestion: Rinse mouth. Do not induce vomiting. Consult a doctor.

**5 FIRE FIGHTING MEASURES**

Extinguishing Media: CO<sub>2</sub>, extinguishing powder or alcohol-resistant foam. For safety reasons do not use a water jet to extinguish.

Specific Hazards: In case of fire CO may be possible.

Protective measures in fire: Wear protective clothing when fighting fires.

**6 ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Wear protective equipment. Keep unprotected persons away.

Precautions to protect environment: No special measures required.

Methods for cleaning/collecting: Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

**7 HANDLING AND STORAGE**

Information for safe handling: Ensure good ventilation at the workplace.

Information about protection against Explosions & Fires: Keep ignitions sources away – Do not smoke. Beware: Container is pressurised. Keep away from direct sunlight and temperatures above 50 degrees C. Do not open by force or throw into fire, even after use. Do not spray on flames or red-hot objects.

Requirements to be met by Storerooms and Containers: Store in a cool location. Observe official regulations on storing packages with pressurised containers.

Information about storage in one Common storage facility: Do not store together with strong acids and strong oxidising agents.

Further information about storage: Protect from heat & direct sunlight.

**8 PERSONAL PROTECTION / EXPOSURE CONTROLS**

Engineering Measures: N/A

Respiratory Equipment: N/A

Hand Protection: N/A

Eye protection: N/A

Other protection: Wash hands during breaks and at the end of the work.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Aerosol

Colour: According to Product specification.

Odour/Taste: Perfume

Solubility Description: Partly miscible.

Boiling point (°C): N/A

pH: N/A

Viscosity: N/A

Flashpoint/Autoignition: N/A

Explosivity: Product is not self-igniting.

**10 STABILITY AND REACTIVITY**

Stability: No decomposition if used according to instructions. Avoid oxidising agents and strong acids. In case of fire CO and CO<sub>2</sub> may be possible. No dangerous reactions known.

**11 TOXICOLOGICAL INFORMATION**

Irritation may be possible.

**12 ECOLOGICAL INFORMATION**

General notes: Water hazards class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product of large quantities of it to reach ground water, water bodies or sewage system.

**13 DISPOSAL CONSIDERATIONS**

Disposal Methods: Disposal must be made according to local regulations via a licensed waste contractor.

**14**     TRANSPORT INFORMATION

ADR/RID Class:             2  
 UN Number:                1950  
 Correct technical name:    Aerosols (Flammable)  
 Label:                     Diamond shaped, framed  
 Remarks:                    UN 1950 AEROSOLS should be placed inside the diamond shaped label. Goods are classed as "Limited Quantities" and are therefore exempt from ADR regulations. Check local legislation for domestic transport.

## Maritime transport IMDG/GGV Sea

IMDG/GGV Sea Class:       2  
 UN Number:                1950  
 EMS Number:               F-D, S-U  
 Marine Pollutant:         No  
 Correct technical name:    Aerosols  
 Remarks:                    "Limited Quantity"  
                                AEROSOLS is required according to IMDG regulations.

## Air transport ICAO-TI and IATA –DGR

ICAO/IATA Class:           2  
 UN Number:                1950  
 Correct technical name:    Aerosols  
 Remarks:                    "Limited Quantity".

**15**     REGULATORY INFORMATION

Risk Phrases:             12     Extremely flammable.  
                                52/53    Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:           2     Keep out of reach of children.  
                                16     Keep away from sources of ignition – No smoking.  
                                23     Do not breathe spray.  
                                51     Use only in well-ventilated areas.

## UK Regulatory References:

EU Directives:             The product has been labelled in accordance with EC Directives/relevant national laws.

Water hazard class:       Water Hazard Class 1 (self assessment): slightly hazardous for water.

## Special designation of certain

Preparations:             Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 degrees C. Do not pierce or bur, even after use. Do not spray on a naked flame or any incandescent material.

16 OTHER INFORMATION

Information Sources:	Raw material safety data sheets. EH40/2002 Occupational Exposure Limits (UK).
Revision comments:	Rev.7 - Changes to sections 2 and 14 (marked). Rev.6 - Changes to sections 2, 15 and 16 Rev.5 - Changes to section 2 Rev.4 - Compliance to CHIP 3 and the 2001/58/EC amendments to 91/155/ECC
R-Phrases (Full text):	R-11 Highly Flammable R-12 Extremely Flammable R-22 Harmful if swallowed R36 Irritating to eyes R38 Irritating to skin R43 May cause sensitisation by skin contact R50-53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment R67 Vapours may cause drowsiness and dizziness

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.



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## JWS AIR CARE REFILL

### Description

All JWS Air Care refill formulations contain Microtans, a proprietary odour neutralizing agent that eliminates, rather than masks, bad odours. Each refill reliably delivers measured doses of odour controlling fragrance via the JWS Air Care dispenser.

### Features and Benefits

- Maintains a fresh, fragrant environment.
- Designer fragrances that are high impact and long lasting.
- Automatically removes persistent and 'unavoidable' bad odours.
- Available in either 75ml or 243ml aerosols

### How to Use

Dispenser Installation: Position the dispenser at a minimum height of 2.2m for best results. Avoid placing near an extraction fan or doorway.

JWS dispenser provides unique programming options to suit different applications and air care requirements.

### Typical Product Data

Appearance:	Aerosol
Colour:	According to Product specification.
Odour/Taste:	Perfume
Solubility Description:	Partly miscible.
Boiling point (°C):	N/A
pH:	N/A
Viscosity:	N/A
Flashpoint/Autoignition:	N/A
Explosivity:	Product is not self-igniting.

### Packaging

6 x 75ml  
6 x 243ml