

**ORGANICA AROMATICS PVT. LTD**

Plot No.4"O"-5"B" , Nelamangala Taluk, Dobaspet Industrial Area.

Document Name:

SAFETY DATA SHEET

PRODUCT NAME

ORSPIRANE

Revision No : Date

02 :
12.07.2017

Document No

OAPL/SDS/047

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SECTION 01 IDENTIFICATION OF THE SUBSTANCE

1.1	Product Name Chemical Name CAS No EINEC No	ORSPIRANE 2, 6, 10, 10-Tetramethyl-1-oxaspiro [4.5] dec-6-ene . 36431-72-8. 253-031-9
1.2	Relevant Identified uses of the substance	Industrial Use
1.3	Supplier Address	Organica Aromatics Pvt Ltd. No:5'B' & 4'O', KIADB Industrial Area, Dobaspet, Bangalore – 562 111. Ph: 080 27735252 Fax No: 080 27735252 Emai id:info@orgnicaaroma.com
1.4	Emergency Telephone No	91 80 27735252

SECTION 02 HAZARDOUS IDENTIFICATION

2.1	Classification of the substance Classification according to the Regulation (EC) No 1272/2008. This substance is not classified as dangerous according to Regulation (EC) No 1272/2008. Physical hazards Not classified Health hazards Skin Irritation category 3 Environmental hazards Not classified Classification according to the Directive 67/548/EEC. This substance is not classified as dangerous according to Directive 67/548/EEC.	
2.2	Label Elements EC Number: 253-031-9 2, 6, 10, 10-Tetramethyl-1-oxaspiro [4.5] dec-6-ene Signal Word : Warning	
	Hazardous Statements	
	H316	Causes mild skin irritation
	Precautionary Statements	
	P332 + P313 P391 P501	If skin irritation occurs: Get medical advice/attention Collect spillage Dispose of contents/container to an approved waste disposal



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SECTION 03 COMPOSITION / INFORMATION ON INGREDIENTS

3.1	Substances			
Compound	Chemical Name	Molecular formulae	CAS No	EINECS No
Orspirane	2, 6, 10, 10-Tetramethyl-1-oxaspiro [4.5] dec-6-ene	C ₁₃ H ₂₂ O	36431-72-8	253-031-9

SECTION 04 FIRST AID MEASURES

4.1	Description of First aid measures		
	Ingestion	Rinse mouth with water. Obtain medical assistance immediately. Do not induce vomiting. Symptoms: queasiness, stomach aches	
	Eye contact	Immediately rinse eyes with water. If any sign of tissue damage or persistent irritation is apparent, obtain medical assistance immediately. Symptoms: irritation, reddening.	
	Skin contact	Remove contaminated clothing. Wash skin immediately with water and soap. If any sign of tissue damage or persistent irritation is apparent obtain medical assistance immediately. Symptoms: irritation, stinging.	
	Inhalation	In case of excessive inhalation, expose the person to fresh air and if necessary, obtain medical assistance. For breathing difficulties, oxygen may be necessary Symptoms: Choking, drowsiness, respiratory disruptions	
4.2	Most important symptoms and effects, both acute and delayed: Mild skin irritation		
4.3	Indication of any immediate medical attention and special treatment needed Not available.		
4.4	General Information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.		

SECTION 05 FIRE FIGHTING MEASURES

5.1	Suitable Extinguishing media Water spray, fog, CO ₂ , dry chemical, or alcohol resistant foam. Do not use a solid water stream as it may scatter and spread fire.
5.2	Special protective equipment for fire-fighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighter's protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires
5.3	Hazardous Decomposition arising from the substance Fire may produce irritating, corrosive and/or toxic gases



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SECTION 06 ACCIDENTAL RELEASE MEASURES.

6.1	<p>Personal Precautions Keep unnecessary personnel away. Eliminate all sources of ignition. Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Avoid contact with skin and inhalation of its vapors or smoke. Maintain adequate ventilation in the working area after spilling.</p>
6.2	<p>Methods and material for containment and cleaning up Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations. The product is immiscible with water and will spread on the water surface.</p>
6.3	<p>Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.</p>

SECTION 07 HANDLING AND STORAGE

7.1	<p>Safe handling Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.</p>
7.2	<p>Conditions for storage Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local national regulations and follow the warnings on the label.</p>

SECTION 08 EXPOSURE CONTROL AND PERSONAL PROTECTION.

8.1	<p>Exposure controls</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;">Personal protection equipment</td> <td>Use personal protection equipment according to Directive 89/686/EEC.</td> </tr> <tr> <td>Engineering Controls-Ventilation</td> <td>The areas where the product is handled and stored should be adequately ventilated.</td> </tr> <tr> <td>Respiratory Protection</td> <td>Use personal breathing apparatus whenever deemed necessary.</td> </tr> <tr> <td>Skin Protection</td> <td>Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.</td> </tr> <tr> <td>Eye/Face protection</td> <td>Chemical safety goggles are recommended. Wash contaminated goggles before reuse.</td> </tr> </table>	Personal protection equipment	Use personal protection equipment according to Directive 89/686/EEC.	Engineering Controls-Ventilation	The areas where the product is handled and stored should be adequately ventilated.	Respiratory Protection	Use personal breathing apparatus whenever deemed necessary.	Skin Protection	Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.	Eye/Face protection	Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
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8.2	<p>Personal Protection</p> <p>Eye/Face protection Chemical safety goggles are recommended. Wash contaminated goggles before reuse.</p> <p>Skin Protection Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.</p> <p>Respiratory Protection Use personal breathing apparatus whenever deemed necessary.</p> <p>Thermal hazards Wear appropriate thermal protective clothing, when necessary.</p> <p>General Hygiene Consideration Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace</p>
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SECTION 09 PHYSICAL AND CHEMICAL PROPERTIES

9.1	<p>Information on basic physical and chemical properties</p> <p>Physical State Liquid</p> <p>Color Colorless to Pale yellow colored liquid</p> <p>Odor Minty and Camphoreous.</p> <p>Specific Gravity at 25°C Between 0.9370 – 0.9420 at 25°C</p> <p>Refractive Index at 20°C Between 1.4840 – 1.4880 at 20°C</p> <p>Acid value Not More Than 1.0</p> <p>Solubility in water In soluble</p> <p>Boiling Point 274°C @ 760 mm Hg</p> <p>Flash point >149° F (65.0°C)</p>
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SECTION 10 STABILITY AND REACTIVITY

10.1	<p>Storage Stability Stable under recommended storage conditions</p> <p>Incompatible materials Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.</p> <p>Conditions to avoid Heat, flames and other sources of ignition.</p> <p>Hazardous Decomposition products No hazardous decomposition products if stored and Handled as Indicated.</p> <p>Hazardous Polymerization It does not undergo any dangerous reactions under normal Conditions.</p>
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SECTION 11 TOXICOLOGICAL INFORMATION	
11.1	<p>Symptoms related to the physical, chemical and toxicological characteristics - Causes Mild Skin irritation</p> <p>Skin corrosion/irritation Causes mild skin irritation. May be irritating to the skin.</p> <p>Serious eye damage/eye Direct contact with eyes may cause temporary irritation.</p> <p>Respiratory sensitization Not a respiratory sensitizer</p> <p>Skin sensitization This product is not expected to cause skin sensitization.</p> <p>Germ cell mutagenicity No data available</p> <p>Carcinogenicity No data available</p> <p>Reproductive toxicity This product is not expected to cause reproductive or developmental effects</p> <p>Aspiration hazard Not an aspiration hazard.</p> <p>Signs and Symptoms of Exposures Not classified</p>
SECTION 12 ECOLOGICAL INFORMATION	
12.1	<p>Acute aquatic toxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.</p> <p>Persistence and degradability No data available</p> <p>Mobility in soil No data available</p> <p>Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation)</p>
SECTION 13 DISPOSAL CONSIDERATION	
13.1	<p>Waste Disposable method</p> <p>Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations</p>
13.2	<p>Contaminated packaging</p> <p>Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied</p>

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China Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe European List of Notified Chemical Substances (ELINCS)	No
Japan Inventory of Existing and New Chemical Substances (ENCS)	No
Korea Existing Chemicals List (ECL)	No
New Zealand New Zealand Inventory	Yes
Philippines Philippine Inventory of Chemicals and Chemical Substances	Yes
Toxic Substances Control Act (TSCA) Inventory	Yes

SECTION 16 OTHER INFORMATION

Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and our company assumes no liability resulting from the use of this SDS. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment and must determine suitability of this information for his application. The information contained herein is applicable solely to **Orspirane** and does not relate any other use of the substance described. Its use is intended by persons having technical skill and at their own discretion and risk.