



ORGANICA AROMATICS PVT. LTD


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

Document Name:	SAFETY DATA SHEET		
PRODUCT NAME	IRIS OA	Revision No : Date	02 : 26.06.2017
Document No	OAPL/SDS/029	Page No	Page 1 of 7

SECTION 01 IDENTIFICATION OF THE SUBSTANCE

1.1	Product Name Chemical Name CAS No EINECS No	IRIS OA 2-Ethoxy-9-methylen-2,6,6-trimethylbicyclo[3.3.1]-nonane 68845-00-1 272-447-1
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 Email: info@orgnicaaroma.com
1.4	Emergency Telephone	91 80 27735252

SECTION 02 HAZARDOUS IDENTIFICATION

2.1	Classification of the substance Physical hazards Health hazards Environmental hazards	Not classified Acute toxicity, dermal Serious eye damage/eye irritation Not classified	Category 5 Category 2A
2.2	Label Elements  Signal Word : Warning		
Hazardous Statements			
H313		May be harmful in contact with skin	
H319		Causes serious eye irritation	
Precautionary Statements			
P264 P280		Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.	
P305 + P351 +P338		IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P312		Call a POISON CENTER/doctor if you feel unwell	



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P337 + P313

If eye irritation persists: Get medical advice/attention.

SECTION 03 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Compound	Chemical Name	Molecular formulae	CAS No	EINECS No
IRIS OA	2-Ethoxy-9-methylen-2,6,6-trimethylbicyclo[3.3.1]-nonane	C ₁₅ H ₂₆ O	68845-00-1	272-447-1

SECTION 04 FIRST AID MEASURES

4.1	<p>Description of First aid measures</p> <p>Ingestion If swallowed rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Obtain medical assistance immediately.</p> <p>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.</p> <p>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.</p> <p>Inhalation In case of excessive inhalation, expose the person to fresh air and if necessary. For breathing difficulties, oxygen may be necessary obtain medical assistance. Symptoms: Choking, drowsiness, respiratory disruptions.</p>
4.2	<p>Most important symptoms/effects, acute and delayed :</p> <p>Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision</p>
4.3	<p>Indication of immediate medical attention and special treatment needed</p> <p>Not available</p>
4.4	<p>General information</p> <p>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</p>

SECTION 05 FIRE FIGHTING MEASURES

5.1	<p>Suitable Extinguishing media</p> <p>Dry chemical, alcohol-resistant foam and carbon dioxide.</p>
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Unsuitable Extinguishing media

For safety reasons, do not use full water spray as it may scatter and spread fire.

5.2

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for fire fighting if necessary.

Prevent run-off from fire fighting to enter drains or water courses.

5.3

Hazardous Decomposition arising from the substance

Fire may produce irritating, corrosive and/or toxic gases. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.

SECTION 06 ACCIDENTAL RELEASE MEASURES.

6.1

Personal Precautions

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

6.2

Methods and material for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

6.3

Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Retain and dispose of contaminated wash water.

SECTION 07 HANDLING AND STORAGE

7.1

Safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from fire and open flames. Do not overheat. Keep away from food, drink and animal feeding stuffs.



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Keep unnecessary personnel away. Eliminate all sources of ignition.

7.2

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.

SECTION 08 EXPOSURE CONTROL AND PERSAONAL PROTECTION.

8.1

Exposure controls

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.

Thermal hazardous necessary

Wear appropriate thermal protective clothing, when

General hygiene considerations

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.

SECTION 09 PHYSICAL AND CHEMICAL PROPERTIES

9.1

Information on basic physical and chemical properties

Physical State

Liquid

Color

Clear Colourless to pale yellow coloured liquid

Odor

A rich and diffusive woody, Ambery with Orris note

Specific Gravity at 25°C

Between 0.9260 – 0.9310 at 20°C

Refractive Index at 20°C

Between 1.4820 – 1.4862 at 20°C

Acid value

Not More Than 1.0

Solubility in water

In soluble

Boiling Point

267°C @ 760 mm Hg

Flash point

>212° F (>100°C)



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SECTION 10 STABILITY AND REACTIVITY

10.1	<p>Storage Stability</p> <p>Incompatible materials</p> <p>Conditions to avoid</p> <p>Hazardous Decomposition products</p> <p>Hazardous Polymerization</p>	<p>Stable under recommended storage conditions</p> <p>Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.</p> <p>Heat, flames and other sources of ignition.</p> <p>No hazardous decomposition products if stored and handled as indicated.</p> <p>It does not undergo any dangerous reactions under normal Conditions.</p>
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SECTION 11 TOXICOLOGICAL INFORMATION

11.1	<p>Information on likely routes of exposure.</p> <p>Inhalation</p> <p>Skin contact</p> <p>Eye contact</p> <p>Ingestion</p>	<p>No adverse effects due to inhalation are expected.</p> <p>May be harmful in contact with skin. Causes mild skin irritation.</p> <p>Causes serious eye irritation. Causes mild eye irritation..</p> <p>Expected to be a low ingestion hazard.</p>
11.2	Symptoms related to the physical, chemical and toxicological characteristics : Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.	
11.3	<p>Information on toxicological effects</p> <p>Acute toxicity</p> <p>Acute Dermal LD50</p> <p>Acute Oral LD50</p> <p>Threshold Limit Value</p> <p>Signs and Symptoms of Exposure</p> <p>Carcinogenicity</p> <p>Reproductive Toxicity</p> <p>Teratogenicity</p> <p>Mutagenicity</p> <p>Aspiration hazard</p>	<p>May be harmful in contact with skin.</p> <p>Rabbit > 2000mg/kg</p> <p>Rat > 5000mG/kg</p> <p>Non Toxic.</p> <p>No data Available</p> <p>No data Available</p> <p>This product is not expected to cause reproductive or developmental effects.</p> <p>No data Available</p> <p>No data Available</p> <p>Not an aspiration hazard</p>

SECTION 12 ECOLOGICAL INFORMATION

12.1	<p>Ecotoxicity</p>	<p>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>
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Not regulated as dangerous goods

SECTION 15 REGULATORY INFORMATION

15.1	US Federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200
15.2	Other Federal regulations	
	Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	- Not Regulated
	Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	- Not Regulated
	Safe Drinking Water Act	- Not Regulated
15.3	U S State regulations	
	US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance	- Not listed
15.4	International Inventories	
	Australia Australian Inventory of Chemical Substances (AICS)	Yes
	Canada Domestic Substances List (DSL)	Yes
	Canada Non-Domestic Substances List (NDSL)	No
	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 **IRIS OA** 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.