

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Name: **Isononyl Isononanoate**

Company Name: **Novaphene Specialities Pvt Ltd**
810, Techno IT Park, New Link Road, Eksar Village, Next To
Eskay Resort, Boriwali (W), Mumbai 400092, Maharashtra
INDIA

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Use of substance: Cosmetic additive

SECTION 2: HAZARDS IDENTIFICATION

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature clear liquid
Formula C18H36O2
Molecular Weight 284.4 g/mol

Component	Classification	Concentration
Isononyl Isononanoate		
CAS #42131-25-9, 59219-71-5 EC # 261-665-2	Non Hazardous	> 100.0%

For the full text of the H-statements and R-phrases mentioned in the section, see Section 16

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice

Take off all contaminated clothing immediately.

If inhaled

If breathed in, move person into fresh air. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Consult a physician.

Most important symptoms and effects, both acute and delayed

no data available

Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: FIREFIGHTING MEASURES**Extinguishing media****Suitable extinguishing media**

Water, Foam, Dry Powder, Carbon dioxide

Special hazards arising from the substance or mixture

no data available

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Wipe up with absorbent material (e.g. cloth, fleece). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Reference to other sections

For disposal see section 13

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Handle and open container with care. The hot product gives off combustible vapours. With hot product, remove all potential sources of ignition and take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Store in original container. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end uses

no data available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

none

Exposure controls**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment**Eye/face protection**

Tightly fitting safety goggles.

Skin protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Hygiene measures

Take off all contaminated clothing immediately.

Protective measures

Avoid contact with eyes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

a) Appearance	Water white, clear liquid
b) Odour	characteristic
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available

f) Initial boiling point and boiling range	No information available
g) Flash point	>100°C
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Density	0.840 to 0.870g/ml at 25 °C
n) Water solubility	no data available
o) Partition coefficient octanol/ water	no data available
p) Autoignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

Other safety information

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions

Chemical stability

No decomposition if stored and applied as directed.

Possibility of hazardous reactions

None reasonably foreseeable.

Conditions to avoid

Protect from frost, heat and sunlight.

Incompatible materials

None reasonably foreseeable.

Hazardous decomposition products

Other decomposition products - no data available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity

LD50: > 2000 mg/kg, rat, OECD Test Guideline 401

Acute inhalation toxicity

LC50: 3,07 mg/l, rat, OECD Test Guideline 403

Acute dermal toxicity

LD50: > 2000 mg/kg, rat, OECD Test Guideline 402

Skin irritation

Result: Mildly irritant - does not need to be labelled, OECD Test Guideline 404

Eye irritation

Result: Risk of serious damage to eyes., OECD Test Guide-line 405, Test substance: concentrate

Result: Mildly irritant - does not need to be labelled, OECD Test Guideline 405, Test substance: 5% solution

Sensitisation

Result: Did not cause sensitisation on laboratory animals., OECD Test Guideline 406

Genotoxicity in vitro

Result: Not mutagenic in Ames Test. , OECD 471

Genotoxicity in vivo

Result: Micronucleus test: not mutagenic, OECD 474

Teratogenicity

rat, Oral, NOAEL: 800 mg/kg, OECD Test Guideline 414

Repeated dose toxicity

OECD Test Guideline 407, The "No toxic effect level" during oral application with rats over a 28 day period is 100mg/kg/day. A NOEL cannot be defined.

rat, Oral, Exposure time: 90-days, NOAEL: 50 mg/kg

Additional Information

RTECS: Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish

LC50: 60,2 mg/L, Brachidanio rerio

Toxicity to daphnia and other aquatic invertebrates

EC50: 89,6 mg/L, 24 h, Daphnia magna

EC50: 78,3 mg/L, 48 h, Daphnia magna

Toxicity to algae

IC50: 48,3 mg/L, 72 h, Desmodesmus subspicatus (green al-gae)

Toxicity to bacteria

EC50: 560 mg/L, OECD 209

Toxicity to fish (Chronic tox-icity)

NOEC: 1,5 mg/L, 35 d, Brachidanio rerio, OECD Test Guide-line 210

Toxicity to daphnia and other aquatic invertebrates (Chron-ic toxicity)

NOEC: 20 mg/L, 21 d, Daphnia magna (Water flea), OECD Test Guideline 211

Persistence and degradability

Biodegradability

Result: According to OECD criteria, the product is inherently biodegradable., OECD 302B/ ISO 9888/ EEC 88/302C

Bioaccumulative potential**Partition coefficient: n-octanol/water**

log Pow: 2,53 at 20 °C Method: OECD Test Guideline 107

Mobility in soil**Mobility**

no data available

Results of PBT and vPvB assessment**Assessment**

This substance is not considered to be persistent, bioaccumu-lating nor toxic (PBT).

Other adverse effects

Adsorbed organic bound halogens (AOX)

Product does not contain any organic halogens.

SECTION 13: DISPOSAL CONSIDERATIONS**Waste treatment methods****Product**

Dispose of as special waste in compliance with local and na-tional regulations.

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste han-dling site for recycling or disposal.

Waste key for the unused product(Group)

The waste producer itself must, in consultation with the ap-propriate authorities and a waste dis-posa company, obtain a waste code from the EWC (European Waste Catalogue)

SECTION 14: TRANSPORT INFORMATION**UN number**

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UN proper shipping name

-

Transport hazard class(es)

-

Packaging group

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Environmental hazards

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Special precautions for user

no data available

SECTION 15: REGULATORY INFORMATION

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

Legislation on the control of major-accident hazards in-volving dangerous substances

Directive 96/82/EC does not apply

Volatile organic compounds (VOC) content

none, Directive 2004/42/EC

Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: OTHER INFORMATION**Full text of R-phrases referred to under sections 2 and 3**

R20	Harmful by inhalation.
R41	Risk of serious damage to eyes.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3.

H318	Causes serious eye damage.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Novaphene, shall not be held liable for any damage resulting from handling or from contact with the above product.

