

Safety data sheet
COMMISSION REGULATION (EU) No 2020/878 of 18 June
2020 amending Annex II of Regulation (EU) No
1907/2006

Printing date 19/01/2024 10:09:10 AM

Revision:07.04.2022

**SECTION1: Identification of the substance/mixture and of the company/
undertaking**

- **Trade name:** DIHYDRO IONONE GAMMA
- **CAS Number:** 13720-12-2
- **EINECS Number:** 237-283-7
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance/the mixture**
soaps industry
cosmetics industry
flavoring agent
Fragrance agent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
TADIMETY AROMATICS PVT LTD
NO-25A KARNATAKA INDUSTRIAL AREA DEVELOPMENT BOARD,
HIREHALLI INDUSTRIAL AREA,
TUMKUR-572168, INDIA
- **Further information obtainable from:** +918028379939,28370359/+918162243478
- **1.4 Emergency telephone number:**

M/s. FRATERWORKS
P.O. Box 46009, Park Avenue, Lower Hutt, 5044, New Zealand

SECTION2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



SkinSens.1 H317 May cause an allergic skin reaction.

2.2

Label elements

- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



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- Signal word:** Warning
- Hazard statements:** H317 May cause an allergic skin reaction.
- Precautionary statements**
 - P261 Avoid breathing dust/fume/gas/mist/ vapors /spray.
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - P321 Specific treatment (see on this label).
 - P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 - P302+P352 IF ON SKIN: Wash with plenty of water.
 - P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.
- 2.3 Other hazards**
- Results of PBT and vPvB assessment**
- PBT:** Not applicable.
- vPvB:** Not applicable.

SECTION3: Composition/information on ingredients

- 3.1 Chemical characterisation: Substances**
- CAS No. Description**
 - 13720-12-24-(2,2-dimethyl-6-methylenecyclohexyl)butan-2-one
 - Mol wt:-194.31 g/mol
- Additional information:**
 - Molecular formula: C₁₃H₂₂O
 - EINECS: 237-283-7
 - Purity by GLC:92%Min(Sum of Isomers)

SECTION4: First aid measures

- 4.1 Description of first aid measures**
- General information:** Immediately remove any clothing soiled by the product.
- After inhalation:**
 - Supply fresh air and to be sure call for a doctor.
 - In case of unconsciousness place patient stably inside position for transportation.
- After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- After eye contact:** Rinse opened eye for several minutes under running water.
- After swallowing:** If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed**
 - No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed**
 - No further relevant information available.

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SECTION5: Firefighting measures

- 5.1 Extinguishing media**
- Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
- 5.3 Advice for firefighters**
- Protective equipment:** No special measures required.

SECTION6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Eliminate sources of ignition. Keep area well ventilated and isolate the spill. Avoid inhalation and contact with skin and eyes.
- 6.2 Environmental precautions:**
Inform respective authorities in case of see page into water course or sewage system.
- 6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- 6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION7: Handling and storage

- 7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- Information about fire-and explosion protection:** No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage:**
- Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store in tightly closed containers and in well ventilated area.
- Information about storage in one common storage facility:**
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
Do not store together with textiles.

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·Further information about storage conditions:*Keep container tightly sealed.**Store away from moisture. Store in cool and dry place.***·7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****·Additional information about design of technical facilities:** No further data; see item 7.**·8.1 Control parameters***Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.***·Ingredients with limit values that require monitoring at the work place:** Not required.**·Additional information:** The lists valid during the making were used as basis.**·8.2 Exposure controls****·Personal protective equipment:****·General protective and hygienic measures:***Immediately remove all soiled and contaminated clothing**Wash hands before breaks and at the end of work.***·Respiratory protection:***In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.***·Protection of hands:**

Protective gloves

*The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.**Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation***·Material of gloves***The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.***·Penetration time of glove material***The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.***·Eye protection:** Goggles recommended during refilling

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SECTION9: Physical and chemical properties

·9.1 Information on basic physical and chemical properties

·General Information:-

·Appearance:	Clear liquid
·Form:	Liquid
·Colour:	Pale yellow to Yellow
·Odour:	Violet floral, ambary
·Odour threshold:	Not determined.

·pH-value: Not determined.

·Change in condition

Melting point/Melting range:	Un determined.
Boiling point/Boiling range:	Un determined.

·Flash point: >100°C

·Flammability (solid, gaseous): Not applicable.

·Ignition temperature:

Decomposition temperature: Not determined.

·Self-igniting: Not determined.

·Danger of explosion: Product does not present an explosion

·Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

·Vapour pressure: Not determined.

·Density at 20 Deg C: 0.869–0.969 g/cm³

·Relative density: Not determined.

·Vapour density: Not determined.

·Evaporation rate: Not determined.

·Solubility in/Miscibility with water:

Negligible.

·Partition coefficient(n-octanol/water): 4.3logKoW

·Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

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Trade name: DIHYDROIONONE GAMMA**·9.2 Other information**

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Specific gravity(20°C/4):0.869–0.969
Molecular Weight : 194.3

SECTION10: Stability and reactivity

- 10.1 Reactivity:** No further relevant information available.
- 10.2 Chemical stability**
- Thermal decomposition/conditions to be avoided:**
No decomposition if used according to specifications.
- 10.3 Possibilityofhazardous reactions:** No dangerous reactions known.
- 10.4 Conditions to avoid:** No further relevant information available.
- 10.5 Incompatible materials:** No further relevant information available.
- 10.6 Hazardousdecompositionproducts:** No dangerous decomposition products known.

SECTION11: Toxicological information

- 11.1 Information on toxicological effects**
- Acute toxicity:** Based on available data, the classification criteria are not met.
- LD/LC50 values : relevant for classification :** Not applicable
- Primary irritant effect:**
- Skin corrosion/irritation**
A maximization test was carried out on 25CBA/J female mice. The material was teste data concentration of 7.5%, 15% and 30% in 3:1 ratio of DEP: Ethanol and produced sensitization reactions:
7.5%=1.39
15%=1.52
30%=1.76
- Serious eye damage/ irritation:** May cause eye irritation.
- Respiratory or skin sensitization**
May cause an allergic skin reaction.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- Germcellmutagenicity:** Based on available data, the classification criteria are not met.
- Carcinogenicity:** Based on available data, the classification criteria are not met.
- Reproductive toxicity:** Based on available data, the classification criteria are not met.
- STOT-single exposure:** Based on available data, the classification criteria are not met.
- STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- Aspiration hazard:** Based on available data, the classification criteria are not met.

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SECTION12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability**
Biowin3 (Survey Model -Ultimate Bio deg)
 2.5351 months
 Does NOT Bio degrade Fast
- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects:** No further relevant information available.

SECTION13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Incinerate according to applicable local, state and federal regulations.
Must not be disposed together with household garbage. .Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number
· ADR,ADN,IMDG,IATA | Not applicable |
| · 14.2 UN proper shipping name
· ADR,ADN,IMDG,IATA | Not applicable |
| · 14.3 Transporthazardclass(es)
· ADR,ADN,IMDG,IATA
· Class | Not applicable |
| · 14.4 Packinggroup
· ADR,IMDG,IATA | Not applicable |
| · 14.5 Environmental hazards: | Not applicable. |

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|--|-----------------|
| ·14.6 Specialprecautions for user | Not applicable. |
| ·14.7 Transportinbulkaccording to Annex II of Marpoland the IBC Code | Not applicable. |
| ·UN "Model Regulation": | Not applicable |

SECTION15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to Regulation (EC) No1272/2008
The substance is classified and labelled according to the CLP regulation.
- Hazard pictograms



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- Signal word: Warning
- Hazard statements
H317May cause an allergic skin reaction.
- Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P321 Specific treatment(see on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of water.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Directive2012/18/EU
- Named dangerous substances- ANNEX I Substance is not listed.
- 15.2 Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

SECTION16: Other information

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

- Department issuing MSDS: Product safety department.
- Contact:+918028379939,28370359/+918162243478

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Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Sens. 1: Sensitisation-Skin, Hazard Category 1

Sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006.

***Data compared to the previous version altered.**

- Section 1: Identification of the substance/mixture and of the company/undertaking
- Section 2: Hazard Identification
- Section 3: Composition/information on ingredients
- Section 4: First-aid measures.
- Section 5: Fire-fighting measures
- Section 6: Accidental Release measures
- Section 7: Handling and storage.
- Section 8: Exposure Controls/Personal protection.
- Section 9: Physical and Chemical properties.
- Section 10: Stability and Reactivity
- Section 11: Toxicological Information.
- Section 12: Ecological Information.
- Section 13: Disposal consideration
- Section 14: Transport information
- Section 15: Regulatory information
- Section 16: Other information

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