SAPTAGIR CAMPHOR PRIVATE LIMITED
An ISO 9001:2015 Certified Company

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II,

Amended by COMMISSION REGULATION (EU) 2015/830,

According to REGULATION (EC) No 1272/2008

PRODUCT : SYNTHETIC CAMPHOR

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Synthetic Camphor

CAS-No. : 76-22-2

EC-No. : 200-945-0

REACH registration No. : 01-2119966156-31-0003

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety datasheet

Company : SAPTAGIR CAMPHOR PRIVATE LIMITED,
Vaishnavi's Cynosure, 5th Floor, 5 (E&F) Units,
Survey No:18, Telecom Nagar, Gachibowli,
Hyderabad-500032, Telangana, INDIA

Phone No: +91-40-29800591

Email : qc@sclgroup.in

Company (Only Representative): Chemical Inspection & Regulation Service Limited
Phone: +353 (1) 4773710

1.4 Emergency telephone number

Emergency Phone# : 0091-9393711675 / 0091-7330685123

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard Class	Category	Hazard Statement
2.7	Flammable solid	2	H228
3.1	Acute toxicity, inhalation	4	H332
3.2	Skin irritation	2	H315
3.3	Serious Eye damage / Eye irritation	1	H318
3.8	Specific target organ toxicity – Single exposure	2	H371

For the full text of the H-Statements mentioned in this Section, see Section 16.

The most important adverse physicochemical, human health and environmental effects

Immediate effects can be expected after short term exposure. Spillage and fire water can cause pollution of water courses.

2.2 Label elements

Labeling according Regulation (EC) No 1272/2008 (CLP)

The substance is classified and labelled according to the CLP regulation.

Pictogram
GHS02, GHS05,
GHS08, GHS07

Signal word	Danger

Hazard statement(s)

H228	Flammable solid.
H315	Causes skin irritation.
H318	Causes serious eye damage
H332	Harmful if inhaled.
H371	May cause damage to organs (Lungs) if inhaled.

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P301+P312+P330	If swallowed : Call a poison center /doctor if you feel unwell. Rinse mouth.
P370+P378	In case of fire : Use dry power or dry sand to extinguish.
Supplemental Hazard Statements	none

2.3 Other hazards

This substance/mixture contains no components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Rubefacient.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms	:	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one
Formula	:	$C_{10}H_{16}O$
Molecular weight	:	152.23g/mol
CAS-No.	:	76-22-2
EC-No.	:	200-945-0

REACH registration No. : 01-2119966156-31-0003

Hazardous components

Component	Classification	Concentration
Bornan-2-one		
CAS-No. : 76-22-2 EC-No. : 200-945-0	Flam. Sol. 2; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 1; STOT SE 2; H228, H332, H315, H318, H371.	<= 100%

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel and then collect with an electrically protected vacuum cleaner or by wet- brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal. Spillage shall be picked up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

For disposal see section 13.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Storage class (TRGS 510): Flammable solid hazardous materials

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 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

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
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.

The selected protective gloves have to satisfy the specifications given below.

Full contact
Material: Nitrile rubber
Minimum layer thickness:
0.11 mm
Break through time: 480 min

Splash contact
Material: Nitrile rubber
Minimum layer thickness:
0.11 mm
Break through time: 480 min

If used in solution, or mixed with other substances, and under conditions which differ, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection
Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance Form	:	Powder (Color: White)
b)	Odour	:	No data available
c)	Odour Threshold	:	No data available
d)	pH	:	No data available

e)	Melting point / freezing point	:	Melting point/range: 172 - 180°C
f)	Initial boiling point and boiling range	:	204 °C
g)	Flash point	:	64.4 °C
h)	Evaporation rate	:	no data available
i)	Flammability (solid, gas)	:	The substance or mixture is a flammable solid with the category 2
j)	Upper/lower flammability or explosive limits	:	Upper explosion limit: 3.5 %(V) Lower explosion limit: 0.6 %(V)
k)	Vapour pressure	:	0.65 mmHg at 25 °C 4 mmHg at 70 °C
l)	Vapour density	:	no data available
m)	Relative density	:	0.992 g/cm3 at 25 °C (77°F)
n)	Water solubility	:	1.5373 g/l at 25°C
o)	Partition coefficient nocturnal / water	:	log Pow: 2.414 at 25°C
p)	Auto-ignition 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

9.2 Other safety information

No data available

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Strong oxidizing agents, strong reducing agents, chlorinated solvents

10.6 Hazardous decomposition products

Hazardous decomposition product formed under fire conditions - Carbon oxides
Other decomposition products - no data available
In the event of fire: see section 5

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - Mouse - 1,310 mg/kg (Bornan-2-one)

Skin corrosion/irritation
No data available (Bornan-2-one)

Serious eye damage/eye irritation
No data available (Bornan-2-one)

Respiratory or skin sensitization
No data available (Bornan-2-one)

Germ cell mutagenicity
In vitro mammalian cell gene mutation test (Bornan-2-one) mouse lymphoma cells
Result: negative

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
No data available (Bornan-2-one)

Specific target organ toxicity - single exposure
Inhalation - May cause damage to organs. – Lungs (Bornan-2-one)

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available (Bornan-2-one)

Additional Information
RTECS: EX1225000

Confusion., Coma., Nausea, Dizziness, Headache (Bornan-2-one)
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (Bornan-2-one)

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish - Pimephales promelas (fathead minnow) - 110 mg/l - 96 h(Bornan-2-one)

12.2 Persistence and degradability

Biodegradability aerobic - Exposure time 28 d (Bornan-2-one)
Result: 77 % - Readily biodegradable

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available (Bornan-2-one)

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Burn in a chemical incinerator equipped with an after burner and scrubber be highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

13.2 Contaminated packaging

Dispose of as unused product.

Section 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID: 2717 IMDG: 2717 IATA: 2717

14.2 UN proper shipping name

ADR/RID : CAMPHOR
IMDG : CAMPHOR
IATA : CAMPHOR

14.3 Transport hazard class(es)

ADR/RID: 4.1 IMDG: 4.1 IATA: 4.1

14.4 Packaging group

ADR/RID: III IMDG: III IATA: III

14.5 Environmental hazards

ADR/RID: No IMDG Marine pollutant: No IATA: No

14.6 Special precautions for user

No data available

Section 15: REGULATORY INFORMATION

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

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Section 16: OTHER INFORMATION

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

H228	Flammable solid.
H315	Causes skin irritation.
H318	Causes serious eye damage
H332	Harmful if inhaled.
H371	May cause damage to organs if inhaled.

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. Saptagir Camphor Private Limited shall not be held liable for any damage resulting from handling or from contact with the above product.

Version Date: JAN'2024

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