

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Camphor	Supplier:	ASES CHEMICAL WORKS.
Synonym Name:	(±)-Camphor,1,7,7-Trimethylbicyclo [2.2.1]heptan-2-one	Address:	Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India
INCI Name:	Camphor	Phone:	+91-9636889954
CAS Number:	21109-95-5	Web:	www.ases.in
Product Form:	Solid	Email :	ecom@ases.in
Product Use:	Laboratory chemicals, Manufacture of substances		

2 HAZARDS IDENTIFICATION

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

Flammable solids,	Category 1	H228
Acute toxicity (oral),	Category 4	H302
Skin corrosion/irritation,	Category 2	H315
Serious eye damage/eye irritation,	Category 2	H319
Specific target organ toxicity — Single exposure, Respiratory tract irritation	Category 3,	

Adverse physicochemical, human health and environmental effects

No additional information available

GHS Label elements, including precautionary statements

Label In Accordance With (EC) No. 1272/2008

Pictogram :  
GHS02 GHS07

Signal word (CLP) : Danger

Health Hazards

H228 -	Flammable solid.
H302 -	Harmful if swallowed.
H315 -	Causes skin irritation.
H319 -	Causes serious eye irritation.
H335 -	May cause respiratory irritation.

Precautionary statements (CLP)

P210 -	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 -	Avoid breathing vapours, dust, fume, gas.
P305+P351+P338 -	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	EC Numbers	Formula	Molecular weight	Concentration
Camphor	76-22-2	200-945-0	C ₁₀ H ₁₈ O	152.24 g/mol	99.9%

Full text of R- and H-statements: see section 16

4 FIRST AID MEASURES

Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Eye Contact:	Flush eyes with large amounts of water for at least 15 minutes and get IMMEDIATE medical attention.
Skin Contact:	Wash with plenty of wate. Get immediate medical advice/attention.
Ingestion:	Rinse mouth.

MATERIAL SAFETY DATA SHEET

CAMPHOR

5 FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable media : Carbon dioxide. Dry powder. Foam. Water spray.

Unsuitable media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable solid.

Explosion hazard : Heating may cause a fire or explosion.

Reactivity in case of fire : with combustible materials.

5.3. Advice for firefighters

Firefighting Protection: Do not enter fire area without proper protective equipment, including respiratory protection.

6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate unnecessary personnel. Use personal protective equipment as required. Ventilate area.

6.2. Environmental precautions - Avoid release to the environment.

6.3. Methods and material for containment and cleaning up –

Sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

7 HANDLING & STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Do not breathe vapours. Avoid dust formation. Take precautionary measures against static discharge. Provide good ventilation in process area to prevent formation of vapour. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Storage conditions : Store in a well-ventilated place. Keep container tightly closed.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: No additional information available

Hand protection : Protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : If inhalation exposure may occur from use, respiratory protection equipment is recommended.

Other information : Do not eat, drink or smoke when using this product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	Solid	Flammability (solid, gas) :	No data available
Molecular mass :	152.24 g/mol	Vapour pressure :	No data available
Colour :	White crystalline.	Relative vapour density:	6.1 at 20 °C
Odour :	No data available	Relative density :	No data available
Odour threshold :	1.3 ppm	Density :	0.992 g/cm ³
pH :	No data available	Log Pow :	3.04
Evaporation rate:	No data available	Viscosity, kinematic :	No data available
Melting point :	176 - 180 °C	Viscosity, dynamic :	No data available
Freezing point :	No data available	Explosive properties :	No data available
Boiling point :	204 °C	Oxidising properties :	No data available
Flash point :	64 °C	Explosive limits :	0.006 - 0.035 vol %
Auto-ignition temp :	466 °C	Solubility : Water:	Slightly Soluble in water
Decomposition temp :	No data available		

MATERIAL SAFETY DATA SHEET

CAMPHOR

10 STABILITY AND REACTIVITY

Reactivity:	Flammable solid.
Chemical Stability :	Stable under normal conditions.
Conditions to avoid :	Air contact. Direct sunlight. Heat. High temperature. Open flame.
Incompatibility :	No additional information available
Hazardous Decomposition :	No additional information available
Hazardous Polymerization:	No additional information available

11 TOXICOLOGICAL INFORMATION

Toxicity :	Oral: Harmful if swallowed.
Skin corrosion/irritation :	Causes skin irritation.
Serious eye damage/irritation :	Causes serious eye irritation.
Respiratory or skin sensitisation :	Not classified
Germ cell mutagenicity :	Not classified
Carcinogenicity :	Not classified
Reproductive toxicity :	Not classified
STOT-single exposure :	May cause respiratory irritation.
STOT-repeated exposure :	Not classified
Aspiration hazard :	Not classified

12 ECOLOGICAL INFORMATION

Toxicity :	No additional information available.
Persistence and degradability :	No additional information available.
Bioaccumulative potential :	CAMPHOR EXTRA PURE (76-22-2) [Log Pow – 3.04]
Mobility in soil:	No additional information available.
Results of PBT and vPvB assessment:	No additional information available.

13 DISPOSAL CONSIDERATIONS

Product/Packaging disposal recommendations :	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
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14 TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN	
UN-No. (ADR / RID / IMDG / IATA / ADN)	: 2717
Proper Shipping Name (ADR / RID / IMDG / IATA / ADN)	: CAMPHOR
Transport document description (ADR)	: UN 2717 CAMPHOR, 4.1, III, (E)
Transport document description (/ RID / IMDG / IATA / AND)	: UN 2717 Camphor, 4.1, III
Packing group (ADR / RID / IMDG / IATA / ADN)	: III
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	: Not applicable

MATERIAL SAFETY DATA SHEET

CAMPHOR

15 REGULATORY INFORMATION

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

This safety datasheet 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

16 OTHER INFORMATION

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Oral)	:	Acute toxicity (oral), Category 4
Eye Irrit. 2	:	Serious eye damage/eye irritation, Category 2
Flam. Sol. 1	:	Flammable solids, Category 1
Skin Irrit. 2	:	Skin corrosion/irritation, Category 2
STOT SE 3	:	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H228	:	Flammable solid.
H302	:	Harmful if swallowed.
H315	:	Causes skin irritation.
H319	:	Causes serious eye irritation.
H335	:	May cause respiratory irritation.
R20	:	Harmful by inhalation
R68/22	:	Harmful: possible risk of irreversible effects if swallowed
Xn	:	Harmful

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.