



## SAPTAGIR CAMPHOR LIMITED

An ISO 9001:2008 Certified Company

### MATERIAL SAFETY DATA SHEET

#### PRODUCT : CAMPHENE

#### 1. DESIGNATION OF PRODUCT AND COMPANY

Trade Name : CAMPHENE  
Application : Fragrance  
COMPANY : SAPTAGIR CAMPHOR LTD, 13.5 Kms, Gooty Road  
B. Kothapalli – 515731, Anantapur (Dist) A.P.  
Emergency Telephone Numbers of the company and /or of an authorized advisory center  
SAPTAGIR CAMPHOR LTD: Tel Ph: 0091-8551-286491

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization : Camphene  
Molecular Weight : 136.26 g/mol  
Total Formula : C<sub>10</sub> H<sub>16</sub>  
CAS No. : 79 – 92 – 5  
EINECS-No. / ELINCS No. : 201 – 234 – 8  
FEMA No : 2229

#### 3. HAZARDS IDENTIFICATION:

Risk Advice to man and the environment  
Flammable  
Irritating to eyes  
Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

#### 4. FIRST – AID - MEASURES

General Advice : Move out of dangerous area.  
Never give anything by mouth to an unconscious person.  
Inhalation : Move to fresh air.  
Skin Contact : Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.  
Eye contact : Protect unharmed eye.  
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Remove contact lenses.  
Ingestion : Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person.

#### Factory:

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Anantapur-515731  
Andhra Pradesh, India  
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Fax: 08551-286451

#### Corporate Office:

Plot No: 284  
Sri Swamy Ayyappa housing society  
Madhapur, Hyderabad-500081  
Andhra Pradesh, India.  
Phone: 040-40058751  
Fax: 040-40212569



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### **5. FIRE – FIGHTING MEASURES**

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Extinguishing media which Must not be used for safety Reasons. : high volume water jet
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses. Flash back possible over considerable distance. Do not use a solid water stream as it may scatter and spread fire.
- Special protective equipment for fire-fighters : In the event of fire wear self-contained breathing apparatus.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Use water spray to cool unopened containers. In the event of fire And/or explosion do not breathe fumes. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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### **6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Use personal protective equipment.  
Remove all sources of ignition.  
Ensure adequate ventilation.
- Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.  
Avoid subsoil penetration.  
Should not be released into the environment.  
Prevent further leakage or spillage if safe to do so.
- Methods for cleaning up : Use mechanical handling equipment.  
Dam up.  
Pick up and transfer to properly labeled containers.
- Additional advice : Local authorities should be advised if significant spillages cannot be contained.
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### **7. HANDLING AND STORAGE HANDLING**

- Advice on safe handling : For personal protection see section 8.  
Dispose of rinse water in accordance with local and national regulations.  
Avoid contact with skin and eyes.

Advice on protection against : Take precautionary measures against static discharges

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### Fire and explosion

When using do not smoke.  
Use explosion-proof equipment.  
Preparation may charge electrostatically: always use earthing leads when transferring from one container to another.  
Keep away from open flames, hot surfaces and sources of ignition.

### STORAGE

Requirements for storage : Keep container tightly closed in a dry and well-ventilated place.  
Store in original container.  
No smoking.  
To maintain product quality, do not store in heat or direct sunlight.

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

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## 8. EXPLOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures : None Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : Wear chemicals-resistant gloves, e.g., safety gloves of Chloroprene Level 2 or of butyl rubber Level 6.

Eye protection : safety glasses.

Skin and body protection : lightweight protective clothing

Hygiene measures : Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing.

Protective measures : When using do not eat, drink or smoke.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : Liquid to crystalline product

Colour : Whitish to white

Odour : characteristic

### Safety data

Melting point / range : 43 – 47 Deg. C

Boiling point / range : 156.0 – 160.0 Deg. C at 1.013, 0 mbar

Flash Point : 36 Deg. C

Ignition temperature : ca. 265 Deg. C

Vapour pressure : 3.5 mbar at 20 Deg. C

Water solubility : < 0, 100 g/l

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### **10. STABILITY AND REACTIVITY**

Hazardous reactions : No dangerous reaction known under conditions of normal use.

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### **11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity : LD50 rat : > 5.000 mg/kg  
Acute dermal toxicity : LD50 rabbit : > 2.500 mg/kg  
Skin irritation : Humans : No skin irritation @ 4%  
Rabbit : Mild skin irritation  
Eye irritation : rabbit : irritating to eyes  
Sensitization : Humans : No sensitizing effect @ 4%

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### **12. ECOLOGICAL INFORMATION**

Elimination information (persistence and degradability)

Biodegradability : Inherently biodegradable.  
100% / 5 d  
Ecotoxicity effects  
Acute Toxicity to fish : LC50 : 0.72 mg/l/96 h  
Species : Zebrafish (Brachydanio rerio)  
Toxicity to algae : EC50 : > 1.000 mg/l/72 h  
Species : scenedesmus subspica  
Toxicity to bacteria : EC50: > 1.000 mg/l  
Species : Activated Sludge

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### **13. DISPOSAL CONSIDERATIONS**

Product : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.  
Contaminated packing : Empty remaining contents.  
Dispose of as unused product.

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### **14. TRANSPORT INFORMATION**

ADR  
UN – No. : 1325  
Description of the goods : UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S.

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(2,2-DIMETHYL -3-METHYLEN –  
BICYCLO (2.2.1)HEPTANE), 4.1, II, ADR

Class : 4.1  
Packaging group : II  
Classification code : F1  
Risk No. : 40  
ADR/RID-Labels : 4.1  
Description of the goods : 40 UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S.  
(2, 2, - DIMETHYL -3- METHYLEN –BICYCLO (2.2.1)  
HEPTANE), 4.1

IMDG  
UN Number : 1325

Description of the goods : UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S.  
(2,2-DIMETHYL -3- METHYLEN –  
BICYCLO (2.2.1) HEPTANE), 4.1, PGII, IMDG

Class : 4.1  
Packaging group : II  
ADR / RID – Labels : 4.1  
EmS Number 1 : F – A  
EmS Number 2 : S – G  
IATA – DGR  
UN Number : 1325

Description of the goods : Flammable solid, organic, n.o.s  
(2,2-DIMETHYL -3- METHYLEN-BICYCLO  
(2.2.1)HEPTANE)

Class : 4.1  
Packaging group : II  
Cargo / Packing Instruction : 180 kgs  
Qty/Pkg

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### 15. REGULATORY INFORMATION

Labeling according to EC Directives 1999/45/EC/67/548/EEC

Symbol (S)	: Xi	Irritant
	N	Dangerous for the environment
R-Phrase(s)	: R10	Flammable
	R36	Irritating to eyes.
	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-Phrase(s)	: S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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:S61

Avoid release to the environment. Refer to special instructions / safety data sheets.

National legislation

Risk Classification according to : not applicable

BetrSich V (Germany)

Water contaminating class : WGK 2 (water endangering)  
(Germany) 5612 VwVwS Annex. 3

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### **16. OTHER INFORMATION**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with another materials or in any process, unless specified in the text.

**Version Date: JAN 2010**

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