

Safety data sheet
according to 1907/2006/EC, Article 31
Modified

Printing date 01.04.2014

Revision: 21.06.2013

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **Trade name:** AMBRETTOLIDE
- **CAS Number:**
28645-51-4
- **EC number:**
249-120-7
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
This product is only intended for using as an ingredient in the manufacturing of mixtures.
Strongly discouraged: Not intended for final consumer.
- **Application of the substance / the preparation**
This material is used as an ingredient in the manufacturing of aromatic bases
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Chemshel Enterprises P Ltd
P.N.Ghosh Street,
Purulia – 723101
West Bengal, INDIA
- **Further information obtainable from:**
Telephone : +91 3252 228484
Fax : +91 3252 225959
e-mail : chemshel@rediffmail.com
- **1.4 Emergency telephone number:**
Contact details of European importer
Emergency telephone number:
Telephone number of EU importer:
Opening hours:
Other Comments (e.g. language(s) of the phone service): English

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The substance is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Substance not classified as dangerous according to the directive 67/548/EEC.
- **Information concerning particular hazards for human and environment:** Not applicable.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Not applicable
- **Hazard pictograms** Not applicable
- **Signal word** Not applicable
- **Hazard statements** Not applicable
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization: Substances**
- **CAS No. Description**
28645-51-4 oxacycloheptadec-10-en-2-one
- **Identification number(s)**
- **EC number:** 249-120-7
- **Additional information:**
Molecular Formula: C16H28O2
Molecular Weight: 252.39

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SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
If swallowed, wash out mouth with water provided person is conscious.
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
Skin contact: irritation, stinging
Eye contact: irritation, reddening, swelling
Inhalation: Choking, drowsiness, respiratory disruptions
Ingestion: queasiness, stomach aches
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Do not use water directly
- **5.2 Special hazards arising from the substance or mixture**
May produce carbon mono-oxide and carbon dioxide.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self contained breathing apparatus for firefighting if necessary.
- **Additional information** High temperatures can provoke high pressures inside the closed packages

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with eyes and skin.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool, dry, well-ventilated area away from incompatible substances.

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- **Information about storage in one common storage facility:**
Store away from acid, alkaline and strong oxidizing agents
- **Further information about storage conditions:** Keep in air tight containers protected from light.
- **7.3 Specific end use(s)** This material is used as an ingredient in the manufacturing of aromatic bases

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **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 break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - **Eye protection:** Safety glasses

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Liquid
· Colour:	Colourless to pale yellow
· Odour:	Powerful, Musky

· **pH-value:** Not determined.

· Change in condition

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	180-190 °C (at 16 mmHg)

· **Flash point:** >100 °C

· **Flammability (solid, gaseous):** Not applicable.

· Ignition temperature:

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

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· Explosion limits:	
Oxidizing properties	No oxidizing properties.
· Vapour pressure at 20 °C:	0.001 hPa
· Density at 25 °C:	0.894 g/cm ³
· Solubility in / Miscibility with water:	Soluble in traces (less than 1%)
· Partition coefficient (n-octanol/water) at 25 °C:	5.37 log POW (KOWWIN v1.67 estimate)
· Viscosity:	
Dynamic:	Not determined.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Prolonged or excessive heat, pressure and inadequate manipulation of packages.
- **10.5 Incompatible materials:** Acid, alkaline and strong oxidizing agents
- **10.6 Hazardous decomposition products:**
Under normal conditions of storage are not known dangerous substances in decomposition

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
The substance is not subject to classification according to the latest version of the EU lists.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
The substance is not carcinogenic, non-mutagenic and non toxic for reproduction.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** Quantitative data on the ecological effect of this product are not available.
- **12.2 Persistence and degradability** The product is not expected to be persistent in the environment.
- **12.3 Bioaccumulative potential**
Bioaccumulation Estimates from Log Kow (BCFWIN v2.17):
Log BCF from regression-based method = 3.437 (BCF = 2733)
log Kow used: 5.37 (estimated)
- **12.4 Mobility in soil**
Soil Adsorption Coefficient (PCKOCWIN v1.66):
Koc: 1.106E+004
Log Koc: 4.044
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Dispose off waste material according to local, state and federal regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---------------------------------------------------------------------------------------|-----------------|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | Not applicables |
| · 14.2 UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Not applicable |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Not applicable |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Not applicable |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Not applicable |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard pictograms** Not applicable
- **Signal word** No signal word
- **Hazard statements** Not applicable
- **Precautionary statements** Not applicable
- **15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out and shall be available at the time of REACH registration.

SECTION 16: 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.

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· Contact:

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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 Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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

· 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 Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

- Data from ChemSpider database

<http://www.chemspider.com/Chemical-Structure.4511310.html>

· * Data compared to the previous version altered.

- Section 2: Hazards identification
- 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 12: Ecological Information.
- Section 13: Disposal consideration.

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