

SAFETY DATA SHEET

Conforms to 91/155/EEC - 2001/58/EC

SANDALMYSORE CORE

1. Identification of the substance/preparation and of the company/undertaking

Product name	: SANDALMYSORE CORE
Product Code	: 3009015
Chemical product name	: 2-buten-1-ol, 2-methyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-
Synonyms	: 2-buten-1-ol, 2-methyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-
Chemical Formula	: C ₁₃ H ₂₂ O
Manufacturer	: Kao Corporation, S.A. 1-3, Bunka 2-Chome, Sumida-ku, Tokyo 131-8501 - JAPAN Tel. +81 3 5630 7700 . Fax +81 3 5630 9889
Supplier	: Kao Corporation, S.A. Puig dels Tudons, 10 - 08210 BARBERÀ DEL VALLÈS (Barcelona) - SPAIN Telf. 937399 300. Fax 937399 333
Emergency telephone number	: +81-3-5630-7700
Material Uses	: Perfume oil mixtures and blends consisting of products ready for use in finished perfume bases.

2. Composition / information on ingredients

Substance/Preparation : Substance

Ingredients contributing to the health hazard:

Chemical name*	%	EC Number	Classification
2-buten-1-ol, 2-methyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)- See Section 16 for the full text of the R Phrases declared above	25-100	248-907-2	Xi; R38

* Occupational Exposure Limit(s), if available, are listed in section 8

3. Hazards identification

The substance is classified as dangerous according to Directive 67/548/EEC and its amendments.

Classification : Xi; R38

Effects and symptoms

Skin Contact : Very hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Other information : Not available.

Aggravating conditions : Repeated or prolonged exposure is not known to aggravate medical condition.

4. First-aid measures

First-Aid measures

- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- Eye Contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

5. Fire-fighting measures

Extinguishing Media

- Suitable** : SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
- Hazardous thermal (de)composition products** : These products are carbon oxides (CO, CO₂).
- Special fire-fighting procedures** : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Protection of fire-fighters** : Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

- Personal precautions** : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
- Environmental Precautions and Clean-up Methods** : Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended use** : Use original container.

8. Exposure controls/personal protection

- Engineering measures** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- Hygiene measures** : Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
- Occupational Exposure Limits** : Not available.
- Recommended monitoring procedures** :
- Personal protective equipment**
- Respiratory system** : Wear appropriate respirator when ventilation is inadequate.
- Skin and body** : Lab coat.
- Hands** : Gloves.
- Eyes** : Safety glasses.

9. Physical and chemical properties

Physical state	(20°C) : Liquid.	
Color	: Colorless to light yellow.	
Odor	: Powerful Sandalwood	
Boiling Point	: 120 to 125 °C	at 4 mmHg
Flash point	: Closed cup: >100°C (212°F). (P.M.C.C.) Open cup: 131°C (267.8°F) (COC).	
Explosive properties	: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.	
Oxidizing Properties	: Not available.	
Density	: 0.92 to 0.93 g/cm ³ (20°C / 68°F)	Automatic densitometer
Solubility	: Soluble in methanol. Very slightly soluble in cold water.	
Viscosity	: Kinetic: 0 cSt Kinetic (40C): 0 cSt	

10. Stability and reactivity

Stability	: The product is stable.
Materials to avoid	: Extremely reactive or incompatible with oxidizing agents.
Hazardous Decomposition Products	: These products are carbon oxides (CO, CO ₂).
Other Information	: When burning can generate carbon dioxide and carbon monoxide.

11. Toxicological information

Local effects

Skin irritation	: Very hazardous in case of skin contact (irritant).
Chronic toxicity	: Repeated or prolonged exposure is not known to aggravate medical condition.
Other Information	: SKIN IRRITATION (Rabbit): Moderately irritating EYE IRRITATION (Rabbit): Moderately irritating (unwashed eyes), mildly irritating (washed eyes) SKIN SENSITIZATION (Guinea pig): Negative (Cumulative Contact Enhancement Test) MUTAGENICITY: Ames test (TA98, TA100, TA1535, TA1537, WP2uvrA):Negative.
Carcinogenic Effects	: Not available.
Mutagenic Effects	: Not available.
Other Information	: SKIN IRRITATION (Rabbit): Moderately irritating EYE IRRITATION (Rabbit): Moderately irritating (unwashed eyes), mildly irritating (washed eyes) SKIN SENSITIZATION (Guinea pig): Negative (Cumulative Contact Enhancement Test) MUTAGENICITY: Ames test (TA98, TA100, TA1535, TA1537, WP2uvrA):Negative.

12. Ecological information

Other Information	: Prevent contamination of soil, ground and surface water.
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13. Disposal considerations

Methods of disposal ; Waste of residues ; Contaminated packaging	: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Classification	: Not applicable.
European Waste Catalogue (EWC)	: Not available.
Hazardous Waste	: The classification of the product may meet the criteria for a hazardous waste

14. Transport information

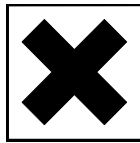
International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
ADR/RID Class	Not regulated.	-	-			-
IMDG Class	Not regulated.	-	-			-
IATA-DGR Class	Not regulated.	-	-			-

15. Regulatory information

EU Regulations

Hazard symbol(s) :



Irritant

Risk Phrases : R38- Irritating to skin.

Safety Phrases : Not applicable.

Product Use : Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use.
- Industrial applications.

EC Statistical Classification (Tariff Code) : 2906190090

Germany

Hazard class for water : 2

16. Other information

National Fire Protection Association (U.S.A.)



Full text of R-Phrases with no. appearing in Section 2 - Europe : R38- Irritating to skin.

Text of classifications appearing in Section 2 - Europe : Xi - Irritant

HISTORY

Product Code : 3009015

Date of printing : 26/08/2003

Date of issue : 25/02/2003

Date of Previous Issue : 27/03/1995

Version : 4

Form : KCSA - SDS EU Contextual V3.1.3 2nd ATP - Europe

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