

In compliance with directive 91/155/ECC and its adaptations

CITRONELLYL FORMATE

1) IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY/ UNDERTAKING

Commercial name : **Compounds for Perfumery & Agarbattis**
Intended use : **Perfumery Ingredient**
Manufacturer : **M/S. U.K.AROMATICS & CHEMICALS**
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2) COMPOSITION/ INFORMATION ON INGREDIENTS

PRODUCT : CITRONELLYL FORMATE
MOLECULAR FORMULA : $C_{11}H_{20}O_2$
MOLECULAR WEIGHT : 184.27
CAS NO. : 105-85-1
EINECS/ELINCS NO : 203-338-9

3) HAZARDS IDENTIFICATION

PHYSICAL & CHEMICAL HAZARDS : Refer to the paragraph relating to Physico-Chemical Properties and regulatory information.
HAZARDS TO MAN : Refer to the paragraph relating to toxicology data and regulatory information.
HAZARDS TO ENVIRONMENT : Refer to the paragraph relating to ecological data and regulatory information.
R-PHRASES : Product not classified and dangerous according to European directive 67/548 and its adaptations.

4) FIRST-AID MEASURES

EYE CONTACT	: Rinse immediately with plenty of water for 10 minutes at least. Contact a physician if symptoms persist.
SKIN CONTACT	: Wash thoroughly with soap and water; flush with plenty of water. Take off soiled clothes. Contact physician if symptoms persist.
INGESTION	: Wash the mouth with water; seek medical advice immediately.
INHALATION	: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

5) FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED	: CO ₂ , foam, dry chemicals.
NON RECOMMENDED	: Do not use direct water jet on burning material.
EXTINGUISHING PROCEDURES	: Closed containers may build up pressure at elevated temperatures. If possible, containers should be cooled with a water spray.

6) ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	: Use an individual protective equipment (waterproof boots, suitable protective clothing, and safety glasses). Prevent any contact with hot surface. Do not approach facing the wind.
ENVIRONMENT PRECAUTIONS	: Keep away from drains, surface and groundwater and soil.
METHODS FOR CLEANING UP	: Contain spilled material. Cover with an inert, non-combustible, inorganic absorbent material, or sweep up and remove to an approved disposal container. Avoid open flames or other sources of ignition.

7) HANDLING AND STORAGE

PRECAUTION IN HANDLING	: Apply according to good manufacturing and industrial hygiene practices/ proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.
STORAGE CONDITIONS	: Store in cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Keep air contact to a minimum.

8) EXPOSURE CONTROLS

RESPIRATORY PROTECTION	: Avoid to breathe directly on the product. Apply local ventilations appropriate.
VENTILATION	: Ensure good ventilation of the work station.
HAND PROTECTION	: Avoid skin contact. Use chemical resistant gloves as needed.
EYE PROTECTION	: Use safety glasses.
WORK/ HYGIENIC PRACTICES	: Wash hand with soap and water after handling.

9) PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Colorless clear liquid
FLASH POINT	: 195.00 °F. TCC (90.56 °C)
SPECIFIC GRAVITY	: 0.89000 to 0.90300
WATER SOLUBILITY	: Insoluble in water

10) STABILITY AND REACTIVITY

REACTIVITY	: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.
CONDITIONS TO AVOID	: Excessive heat, open flamed or other sources of ignition, otherwise stable at ambient conditions.

11) TOXICOLOGICAL INFORMATION

LD 50 oral (mg/kg) ORGANISM : 5200
ORGANISM : Rat

12) ECOLOGICAL INFORMATION

BIODEGRADABILITY : Not determined.
PRECAUTIONS : Prevent contamination of soil, ground and surface water.

13) DISPOSAL CONSIDERATIONS

In accordance with local environmental laws.
Avoid disposing into drainage systems into the environment.

14) TRANSPORT INFORMATION

CLASS: UN/ID Number: Packing group : Not required
RID/ ADR : Not restricted
IMDG : Not restricted
ICAO/ IATA : Not restricted

15) REGULATORY INFORMATION

LABEL : CITRONELLYL FORMATE

16) OTHER INFORMATION

The information contained in the present MSDS, according to regulation 1907/2006, is based on our knowledge and experience at the moment of publishing it. This document tries to give information about the correct use, storage and transport. Bearing in mind that the use of this information and the conditions of use of the product are not under control.

U.K.AROMATICS & CHEMICALS, MUMBAI provides the information contained herein in a good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose and take the responsibility for observing existing laws and regulations.