

GERANYL ACETATE 60 (03P35AS)

Version 1.

Revision Date 01/13/2011

Print Date 03/14/2011

1. Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : GERANYL ACETATE 60 (03P35AS)

Substance name : 2,6-OCTADIEN-1-OL, 3,7-DIMETHYL-, ACETATE, (E)-

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Flavor Ingredient, Fragrance Ingredient

1.3 Details of the supplier of the safety data sheet

Manufacturer : Renessenz LLC
601 Crestwood Street
Jacksonville, Florida 32208
United States of America

Telephone : (904)-768-5800
Telefax : (904)-768-2200
E-mail address : MDSDRequest@renessenz.com
Responsible/issuing person : Product Safety

Only representative : SCM Europe SA/NV
Place de l'Albertine 2
Brussels 1000
Belgium

Telephone : +32.2.289.05.10
Telefax : +32.2.289.05.90
E-mail address : MDSDRequest@renessenz.com
Responsible/issuing person : Product Safety

1.4 Emergency telephone

+001-904-768-5800 (USA)

2. Hazards identification**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Chronic aquatic toxicity, Category 2 H411: Toxic to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Dangerous for the environment R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements**Labeling (REGULATION (EC) No 1272/2008)**

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Hazard pictograms

:



Signal Word

: Warning

Hazard Statements

: H411
H316Toxic to aquatic life with long lasting effects.
Causes mild skin irritation.

Precautionary Statements

: **Prevention:**P273
P280Avoid release to the environment.
Wear protective gloves/ eye protection/ face
protection.**Response:**P391
P302 + P352Collect spillage.
IF ON SKIN: Wash with plenty of soap and
water.

P332 + P313

If skin irritation occurs: Get medical advice/
attention.**Storage:**

P404

Store in a closed container.

Disposal:

P501

Dispose of contents/ container to an
approved waste disposal plant.
2.3 Other hazards
3. Composition/information on ingredients
3.2 Mixtures
Hazardous ingredients

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
GERANYL ACETATE	105-87-3 203-341-5			>= 60 - < 65
NERYL ACETATE	141-12-8 205-459-2			> 35 - < 40

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

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4. First aid measures
4.1 Description of first-aid measures

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|-------------------------|---|--|
| General advice | : | Show this material safety data sheet to the doctor in attendance.
Remove from exposure, lie down. |
| If inhaled | : | Move to fresh air.
If breathing is difficult, give oxygen. |
| In case of skin contact | : | Wash off with soap and water.
Remove contaminated clothing and shoes.
Get medical attention if irritation develops and persists. |
| In case of eye contact | : | Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists. |
| If swallowed | : | Drink plenty of water.
Obtain medical attention. |

4.2 Most important symptoms and effects, both acute and delayed
4.3 Indication of immediate medical attention and special treatment needed
5. Fire-fighting measures
5.1 Extinguishing media

- | | | |
|--------------------------------|---|--|
| Suitable extinguishing media | : | Carbon dioxide (CO ₂)
Dry chemical
Foam
Water spray |
| Unsuitable extinguishing media | : | Do not use a solid water stream as it may scatter and spread fire. |

5.2 Special hazards arising from the substance or mixture

- | | | |
|---------------------------------------|---|--|
| Specific hazards during fire fighting | : | Fire will produce dense black smoke containing hazardous combustion products (see section 10). |
|---------------------------------------|---|--|

5.3 Precautions for fire-fighters

- | | | |
|--|---|---|
| Special protective equipment for fire-fighters | : | Use personal protective equipment. |
| Further information | : | Standard procedure for chemical fires.
Cool containers / tanks with water spray. |

6. Accidental release measures
6.1 Personal precautions, protective equipment and emergency procedures

- | | | |
|----------------------|---|------------------------------------|
| Personal precautions | : | Use personal protective equipment. |
|----------------------|---|------------------------------------|

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6.2 Environmental precautions

Environmental precautions : Do not allow run-off from fire fighting to enter drains or water courses.

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6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Clean-up methods - small spillage
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Clean-up methods - large spillage
Large spills should be collected mechanically (remove by pumping) for disposal.

6.4 Reference to other sections**7. Handling and storage****7.1 Precautions for safe handling**

Advice on safe handling : Keep container closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Ensure that eyewash stations and safety showers are close to the workstation location.

: Ensure adequate ventilation, especially in confined areas.

7.3 Specific end uses**8. Exposure controls/personal protection****8.1 Control parameters****8.2 Exposure controls****Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.
In the case of vapor formation use a respirator with an approved filter.

Hand protection : Impervious butyl rubber gloves
Glove thickness: 0.5 mm

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Eye protection : Safety goggles
Safety glasses with side-shields

Skin and body protection : Rubber apron

Environmental exposure controls

General advice : Do not allow run-off from fire fighting to enter drains or water courses.

:

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance : clear liquid

Color : nearly colorless

Odor : Herbaceous-type.

Flash point : 100 °C
Method: Tag closed cup

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Vapor pressure : 0.07 mm Hg

Water solubility : not determined

Solubility in other solvents : Medium: Alcohol completely soluble

Relative vapor density : 6.8

9.2 Other information**10. Stability and reactivity****10.1 Reactivity****10.2 Chemical stability****10.3 Possibility of hazardous reactions**

Hazardous reactions : None reasonably foreseeable.
Stable under recommended storage conditions.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

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10.5 Incompatible materials

Materials to avoid : Strong acids and strong bases
Strong oxidizing agents

10.6 Hazardous decomposition products**11. Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Acute oral toxicity
GERANYL ACETATE : LD50 Oral: 6,300 mg/kg
Species: rat

NERYL ACETATE : LD50 Oral: > 5,000 mg/kg
Species: rat

Acute inhalation toxicity
GERANYL ACETATE : not determined

NERYL ACETATE : no data available

Acute dermal toxicity
GERANYL ACETATE :
no data available

NERYL ACETATE : LD50 Dermal: > 5,000 mg/kg
Species: rabbit

Skin corrosion/irritation

Skin irritation
GERANYL ACETATE : Mild skin irritation

NERYL ACETATE : Species: rabbit
Classification: No skin irritation
Exposure time: 96 h
Not a skin irritant.

Serious eye damage/eye irritation**Respiratory or skin sensitization****Germ cell mutagenicity**

Germ cell mutagenicity
GERANYL ACETATE : Ames test
negative

NERYL ACETATE : Ames test

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Method: Mutagenicity (Escherichia coli - reverse mutation assay)
negative

Remarks : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Teratogenicity
Remarks : not determined

Target Organ Systemic Toxicant - Repeated exposure
Toxicology Assessment

12. Ecological information
12.1 Toxicity
12.2 Persistence and degradability

Biodegradability
GERANYL ACETATE : aerobic
91 %
Method: Directive 67/548/EEC Annex V, C.4.D.
Remarks:
Readily biodegradable.

NERYL ACETATE : aerobic
74 %
Method: OECD Test Guideline 301
Remarks:
Readily biodegradable.

12.3 Bioaccumulative potential
12.4 Mobility in soil
12.5 Results of PBT and vPvB assessment
12.6 Other adverse effects
13. Disposal considerations
13.1 Waste treatment methods

Product : Dispose of wastes in an approved waste disposal facility.

14. Transport information

US DOT

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Not dangerous goods

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2 Chemical Safety Assessment**

A Chemical Safety Assessment is not required for this substance.

16. Other information**Full text of R-phrases referred to under sections 2 and 3**

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3.

H411 Toxic to aquatic life with long lasting effects.

Further information

Other information : RIFM - Research Institute for Fragrance Materials.
RTECS-Registry of Toxic Effects of Chemical Substances

: US. National Toxicology Program (NTP) Report on
Carcinogens
IARC: (International Agency for Research on Cancer)

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