



Section 1. Product and Company Identification

Product Name Disodium Sebacate
CAS Number 17265-14-4

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

GHS Label Elements

Signal word: WARNING

Hazard and precautionary statements

EMERGENCY OVERVIEW: This preparation is not classified as hazardous according to 1999/45/EC.

GHS Classification: Not Listed

Classification (29CFR1910.1200 Appendix A): Not Listed

GHS Physical Hazard: Not Listed

GHS Health Hazard: Not Listed

GHS Environmental Hazard: Not Listed

GHS Labeling

Symbol: Not Listed

Signal Word: Not Listed

Hazard Statements: Not Listed

Precautionary Statements: Not Listed

Additional hints: Substance without hazards for human health or environment.

Special dangers for human and environment: See attached safety data sheets and/or operating instructions.

Adverse physiochemical effects: This material is combustible, but will not ignite readily.

Adverse human health effects and symptoms: Not Listed

HMIS:

1
0
0

Section 3. Composition / Information on Ingredients

Common Name Disodium Sebacate
Synonym(s) DSS, Decanedioic acid, Disodium salt
Formula
CAS Number 17265-14-4

COMPONENT	CAS NUMBER	CONCENTRATION
Disodium Sebacate	17265-14-4	100

Section 4. First Aid Measures

Emergency first aid procedures by route of exposure

Inhalation: In case of respiratory tract irritation, consult a physician.

Ingestion: If accidentally swallowed, rinse mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

Skin: Water

Eyes: In case of eye irritation, consult an ophthalmologist.

Section 5. Firefighting Measures

Flash Point: >100° C

Auto-ignition Temperature: >400° C

Lower Explosion Limit: Not Listed

Upper Explosion Limit: Not Listed

Flammability Classification: A (Fires of solids, mainly organic nature, which normally burn down under glow forming).

Suitable Extinguishing Media: Water

Products of Combustion: Not Listed

Fire Fighting Equipment/Instructions: Protective clothing.

Additional Information: Move undamaged containers from immediate hazard area if it can be done safely.

Section 6. Accidental Release Measures

Personal Protection: Avoid generation of dust.

Special Properties: Not Listed

Environmental Precautions: Cover drains.

Method for Containment: Not Listed

Methods for Clean-up: Wash with plenty of water.

Additional Information: Spillages can be slippery under foot.

Section 7. Handling and Storage

Handling: Keep container tightly closed when not in use.

Protective measures: No special handling advice are necessary.

Prevent aerosol and dust generation: Open windows to ensure natural ventilation.

Measures to protect the environment: See section 6.

Specific requirements or handling rules: Filtered air may be re-circulated into the workroom.

Precautions against fire and explosion: Not readily combustible.

Further information: No risk of spontaneous combustion of cleaning rags.

Storage: Keep container tightly closed.

Hints on joint storage: Do not store with strong alkalis.

Further information on storage conditions: Keep in a cool, well-ventilated place.

Storage temperature: COOL DRY AREA

Maximum period of storage (time): 2 years

Storage class: Not Listed

Section 8. Exposure Controls / Personal Protection

Engineering Controls: See section 7. No additional measures necessary.

Exposure Limit Values: Not Listed

Occupational Exposure Limits: Not Listed

Personal Protective Equipment (PPE)

Respiratory Protection: Not Listed

Eye/Face Protection: Eye glasses. Don't wear contact lenses.

Hand Protection: Tested gloves must be worn.

Body: Laboratory coat or overalls.

Required properties: Antistatic

Recommended material: Natural fibers (e.g. cotton wool).

Other Protective Equipment: Not Listed

Section 9. Physical and Chemical Properties

Appearance: Crystal

Color: White

Odor: odorless

Odor threshold: Not Listed

pH: 9

Melting point/freezing point: 240

Initial boiling point and boiling range: 0

Flash point: >100

Evaporation rate: Not Listed

Flammability: Not Listed

Upper/lower flammability or explosive limit: Not Listed

Vapor pressure: 0.0000000555 at 20° C

Density: 1.1 to 1.33

Bulk density: 1.21

Water solubility (g/l): 10%

Fat solubility (g/l): 10%

Partition coefficient: n-octanol/water: Not Listed

Auto-ignition temperature: >400° C (OECD test methods)

Evaluation: Non-flammable (PMCC)

Explosive properties: 7 to 13 mJ for 108 micron powder

Decomposition temperature: Not Listed

Viscosity: solid, not applicable

Section 10. Stability and Reactivity

Reactivity: Not Listed

Chemical stability: Not Listed

Possibility of hazardous reactions: Not Listed

Conditions to avoid: Polymerization

Incompatible materials: Acid

Hazardous decomposition products: Carbon dioxide

Section 11. Toxicological Information

Method: Regulation (EC) No 440/2008, Annex, B.36.

Species: Rat

Dose level: 14,375 mg/Kg

Routes of administration: Oral

Source: RIFM/FEMA

Remark: Test data

Specific target organ toxicity (SE): No indication of STOST in test report data.

Acute dermal toxicity: >5000 mg/Kg

Effect dose: LD50

Species: Rabbit

Method: Test data

Acute inhalative toxicity: No test data

Effect dose: LC50

Exposure time: 2 hours

Species: Adult human

Method: Industrial experience

Additional information: No oral toxicity lower in GHS-category 5

Evaluation/classification: Nuisance dust

Primary irritation to the skin: Not classified as a skin irritant

Species: Human

Method: Industrial experience

Evaluation/classification: Slightly irritant

Remark: Data apply to the technically active substance.

Result: No erythema (redness)

Irritation to eyes: slightly irritant dust

Species: Rabbit

Method: Draize test

Evaluation/classification: slightly irritant but not relevant for classification.

Remark: Practical experience/human experience

Result: Reversible effects

Irritation to respiratory tract: No test data

Exposure time: 2 hours

Species: Human

Evaluation/classification: Not irritating to respiratory system.

Remark: Practical experience/human experience

Sensitization: Not a sensitizer

Species: Healthy humans

Method: Industrial experience

Evaluation/classification: Not sensitizing

Repeated dose toxicity (sub-acute, chronic): No data

Evaluation/classification: No STOST found in tests

CMR (carc, muta, tox reproduction): Not suspected of causing cancer

Summary of CMR properties: Based on existing data the substance does not fulfill the criteria of CMR-substances Cat.1 and 2 according 67/548/EEC.

Phototoxicity: None reported in studies

Observations on classification: May be absorbed through the skin.

Other observations: Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

General remarks: No OSHA statements

Section 12. Ecological Information

Acute fish toxicity: 308 mg/L

Effective dose: LC50

Exposure time: 96 hours

Species: Pimephales promelas (fathead minnow)

Method: read across

Source: QSAR from OECD toolbox

Evaluation: Harmless to fish up to the tested concentration.

Remark: QSAR data

Water hazard class (WGK): WGK = 1

Acute daphnia toxicity: LC50: 6139 mg/L (QSAR)

Chronic daphnia toxicity: Daphnia 48 hour

Algae toxicity: EC50: 105 mg/L (QSAR)

Bacteria toxicity: No test data
Chronic algae toxicity: No test data
Terrestrial toxicity: No test data
Acute and sub-acute bird toxicity: No test data
Bird reproduction toxicity: No test data
Useful insect toxicity: No test data
Acute earthworm toxicity: Not test data
Chronical earthworm toxicity (repro): No data
Effects on soil microorganisms: No data
Long term toxicity organisms in sediment: Inherently biodegradable 28 days
Acute plant toxicity: No test data
Impact on sewage plants: No data
Chronic plant toxicity: No data
Distribution to environment compartments: No data
Surface tension: Solid not applicable
Remark: Water solubility 1000 mg/l at 20° C
Adsorption/Desorption: No data
Transport soil-water: Free
Adsorption coefficient: Free
Koc: No data
log Koc: 2.19 (m)
Mobility/Remark: Data apply to the technically active substance
Bioconcentration factor (BCF): 16.2 L/Kg wet (QSAR)
Results of PBT assessment: This substance does not meet the criteria for classification as PBT or vPvB.
Ozone depletion potential (ODP): Low
Photochemical ozone creation (OCP): Low
Global warming potential (GWP): Low
Atmospheric lifetime: No data
Endocrine disrupting potential: No test data
Biochemical oxygen demand (BOD): No data
Overall evaluation: No test data but expected to be ultimately biodegradable

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Land transport (ADR/RID): Not Classified
Class: NO CLASS
Packing group: No Class
Proper shipping name: Disodium Sebacate

Remark: No dangerous good in sense of this transport regulation.

Special Provisions: Avoid human exposure

Limited quantity (LQ): None necessary

Type: Not Regulated

Remark: No dangerous good in sense of this transport regulation.

IMDG-CODE-Class: NO CLASS

Marine pollutant: No

Air transport (ICAO-TI / IATA-DGR): NO CLASS

Further information: 2917139090

Transport pictogram: No Class

Section 15. Regulatory Information

Chemical Safety Assessment: For this substance a chemical safety assessment is not required.

Hazard statements DG & preparations: Not Listed

Remark: Classification carried out according to 'Calculation Procedure' of the Dangerous Preparations Directive (1999/45/EC)

Directive 96/82/EC severe accidents with dangerous substances: Not classified according to 96/82/EC, annex 1, part 2.

1999/13/EC limit emissions (VOC-guidelines): Not a VOC according to 99/13/EC.

Restrictions of occupation: Observe employment restrictions for women of child-bearing age.

Signal word: Not Listed

Hazard pictograms: Not Listed

Special rules on packaging: Not Listed

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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