Section 1. Product and Company Identification

Product Name: Disodium Sebacate  
CAS Number: 17265-14-4

Parchem - fine & specialty chemicals  
415 Huguenot Street  
New Rochelle, NY 10801  
(914) 654-6800 ☏ (914) 654-6899  
parchem.com ☀ info@parchem.com

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

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Disodium Sebacate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonym(s)</td>
<td>DSS, Decanedioic acid, Disodium salt</td>
</tr>
<tr>
<td>Formula</td>
<td></td>
</tr>
<tr>
<td>CAS Number</td>
<td>17265-14-4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NUMBER</th>
<th>CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disodium Sebacate</td>
<td>17265-14-4</td>
<td>100</td>
</tr>
</tbody>
</table>

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 accidently 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/Instruction:** 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

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: Nusiance 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: No test data
Chronic 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.

REVISION DATE: 9/9/2016