



Section 1. Product and Company Identification

Product Name Calamine
CAS Number 8011-96-9

Parchem - fine & specialty chemicals
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Section 2. Hazards Identification

Classification of the substance or mixture

The substance is not classified according to the Globally Harmonized System (GHS).

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

None

HMIS Rating

Health: 0

Flammability: 0

Reactivity: 0

NFPA Rating

Health: 0

Flammability: 0

Reactivity: 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Section 3. Composition / Information on Ingredients

Common Name Calamine
CAS Number 8011-96-9

Section 4. First Aid Measures

Description of first-aid measures

General information: Immediately remove any clothing soiled by the product.

Inhalation: Supply fresh air; consult doctor in case of complaints.

Skin contact: Generally the product does not irritate the skin. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

Eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion: Seek medical treatment.

Information for doctor

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear protective clothing.

Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Pick up mechanically. Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7. Handling and Storage

Handling

Precautions for safe handling: Thorough dedusting.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Do not store together with acids. Do not store together with alkalis (caustic solutions).

Further information about storage conditions: None.

Section 8. Exposure Controls / Personal Protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

Zinc Oxide (CAS# 1314-13-2)

PEL

15 mg/m³ (total dust); 5 mg/m³ (respirable dust); 5 mg/m³ (fume)

REL

Short-term Value: C 15 mg/m³ (dust only); 10 mg/m³ (fume)

Long-term Value: 5 mg/m³ (dust only); 5 mg/m³ (fume)

TLV

Short-term Value: 10 mg/m³ (as respirable fraction)

Long-term Value: 2 mg/m³ (as respirable fraction)

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures: Wash hands before breaks and at the end of work. Shower or take a bath at the end of work.

Breathing equipment: Not necessary if room is well-ventilated.

Protection of hands: Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

Body protection: Apron; Protective work clothing

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form: Solid

Color: Pink

Odor: Nearly odorless

Odor threshold: Not determined.

pH Value: Not determined.

Melting point/Melting range: 1970°C (3578°F)

Boiling point/Boiling range: Undetermined.

Flash point: Not applicable.

Flammability (solid, gaseous): Product is not flammable.

Decomposition temperature: Not determined.

Auto igniting: Not determined.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits

Lower: Not determined

Upper: Not determined

Vapor pressure: Not applicable.

Density (20°C/68°F): 5.61 g/cm³ (46.815 lbs/gal)

Bulk density (20°C/68°F): ca. 300 - 7 kg/m³

Relative density: Not determined.

Vapor density: Not determined.

Evaporation rate: Not determined.

Solubility in Water (20°C/68°F): < 0.002 g/L

Partition coefficient (n-Octanol/Water): Not determined.

Viscosity - Dynamic: Not determined.

Viscosity - Kinematic: Not determined.

Organic solvents: 0.0%

Other information: No further relevant information available

Section 10. Stability and Reactivity

Reactivity

Chemical stability

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: Reacts with acids. Reacts with strong alkali.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity

LD/LC50 values that are relevant for classification:

Zinc Oxide (CAS# 1314-13-2)

Oral LD50: > 10,000 mg/kg (rat)

Primary irritant effect

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer): Iron Oxide (CAS# 1309-37-1): 3

NTP (National Toxicology Program): Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration): Substance is not listed.

Section 12. Ecological Information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in Environmental Systems

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Ecotoxicological Effects

Remark: Very toxic for fish



Additional ecological information

General notes: Water hazard class 2 (Assessment by list): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

Other adverse effects: No further relevant information available.

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

DOT, ADR, IMDG, IATA

UN Number: UN3077

UN Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Calamine)

Hazard Class: Class 9

Packing Group: PG III

Environmental hazards: Product contains environmentally hazardous substances: Zinc Oxide

Marine pollutant: Yes

Special Marking: Symbol (fish and tree)

Special precautions for user: Warning: Miscellaneous dangerous substances and articles

Danger code (Kemler): 90

EMS Number: F-A,S-F

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

Transport/Additional information

DOT

Remarks: Special marking with the symbol (fish and tree).

UN "Model Regulation": UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CALAMINE), 9, III



Section 15. Regulatory Information

Safety, health, and environmental regulations/legislation specific for the substance or mixture

SARA

Section 355 (extremely hazardous substances): Substance is not listed.

Section 313 (Specific toxic chemical listings): Substance is not listed.

TSCA (Toxic Substances Control Act): Substance is listed.

Proposition 65

Chemicals known to cause cancer: Substance is not listed.

Chemicals known to cause reproductive toxicity for females: Substance is not listed.

Chemicals known to cause reproductive toxicity for males: Substance is not listed.

Chemicals known to cause developmental toxicity: Substance is not listed.

Carcinogenic Categories

EPA (Environmental Protection Agency)

Zinc Oxide (CAS# 1314-13-2): II

TLV (Threshold Limit Value established by ACGIH)

Iron Oxide (CAS# 1309-37-1): A4

NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

GHS label elements: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

Chemical safety assessment: A Chemical Safety Assessment has been carried out.

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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