



SAFETY DATA SHEET

CLAY DECAY – COMMANDER SERIES

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Clay Decay

Other means of identification : Sodium Acid Pyrophosphate

Recommended use : Formulation additive/ Special phosphate/ Food additives

Restrictions on use : Not applicable

Company : Right Turn Supply, LLC
204 SE Ninth Street
Pella, Iowa 50219
Office: (641) 204-0205

Emergency telephone : (800) 424-9300 (24 Hours) CHEMTREC
number

Issuing date : 07/25/2024



Section: 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Not applicable

Skin irritation : Not applicable

Eye irritation : Category 2A

Carcinogenicity : Not applicable

Reproductive toxicity : Not applicable

Specific target organ toxicity : Not applicable

- single exposure

Aspiration hazard : Not applicable

GHS Label element

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

Precautionary Statements : Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Other hazards : None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Pure substance/mixture : Substances
CAS No. Description : 7758-16-9 Disodium Dihydrogendiphosphate

Section: 4. FIRST AID MEASURES

In case of eye contact : Rinse opened eye for 15 minutes under running water. Then consult a doctor.
In case of skin contact : Wash with water and acidic soap.
If swallowed : Do not induce vomiting. Rinse out mouth and then drink plenty of water. If symptoms persist consult a doctor.
If inhaled : Supply fresh air; consult doctor in case of complaints.
Notes to physician : Treat symptomatically.
Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Section: 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use firefighting measures that suit the environment.
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Unsuitable extinguishing media : Water with full jet.
Specific hazards during firefighting : Fire Hazard
Keep away from heat and sources of ignition.
Flash back possible over considerable distance.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Hazardous combustion products : In case of fire, the following can be released:
Phosphorus oxides (P_xO_y)
Phosphoric acid (H₃PO₄)
Sodium oxide
Special protective equipment for firefighters : Use personal protective equipment. Mouth and respiratory protection.

Section: 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Avoid formation of dust.
Wear protective equipment. Keep unprotected persons away.

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Environmental precautions : Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up : Pick up mechanically.
Dispose contaminated material as waste according to item 13.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

Protective Action Criteria for Chemicals:

PAC-1: 4.3 mg/m³

PAC-2: 48 mg/m³

PAC-3: 290 mg/m³

Section: 7. HANDLING AND STORAGE

Advice on safe handling : The usual precautionary measures should be adhered to in handling the chemicals.
Prevent formation of dust.
Any deposit of dust which cannot be avoided must be regularly removed.

Conditions for safe storage : Store in cool, dry conditions in well-sealed receptacles.

Suitable material : Keep in properly labelled containers.

Unsuitable material : Not determined

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

OSHA and ACGIH have not established specific exposure limits for this material. However, OSHA and ACGIH have established limits for particulates not otherwise regulated (PNOR) and particulates not otherwise classified (PNOC) which are the least stringent exposure limits applicable to dusts.

OSHA PEL: 15 mg/m³ (total dust) 8-hr TWA, 5 mg/m³ (respirable) 8-hr TWA

ACGIH TLV: 10 mg/m³ (inhalable) 8-hr TWA, 3 mg/m³ (respirable) 8-hr TWA

Engineering measures : Provide natural or mechanical ventilation to control exposure levels below occupational exposure limits. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult National Fire Protection Association (NFPA) Standard 91 for design of exhaust systems.

Personal protective equipment

Eye protection : Safety glasses
Face-shield

Hand protection : Wear the following personal protective equipment:
Fluorocarbon rubber (Viton)
Nitrile rubber, NBR
Natural rubber, NR

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Chloroprene rubber, CR
Neoprene gloves

Skin protection	: Wear suitable protective clothing.
Respiratory protection	: Use suitable respiratory protective device in case of insufficient ventilation. Dust mask according to DIN EN 140 or 149 (FFP1 or FFP2)
Hygiene measures	: The usual precautionary measures for handling chemicals should be followed. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Powder
Colour	: White
Odour	: Odorless
Flash point	: no data available
pH	: 4,0 - 4,8
Odour Threshold	: no data available
Melting point/freezing point	: 600 - 650 °C (1,112-1,202 °F)
Initial boiling point and boiling range	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: no data available
Density at 20 °C (68 °F):	: ca. 1100 kg/m ³
Water at 25 °C (77 °F):	: ca. 130 g/l Easily soluble.
Solubility in other solvents	: no data available
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Thermal decomposition temperature	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Molecular weight	: no data available

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VOC : no data available

Section: 10. STABILITY AND REACTIVITY

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Reacts with alkali (lyes).
Heating occurs when water is added.

Conditions to avoid : Thermal decomposition 220 °C possible.

Incompatible materials : No further relevant information available.

Hazardous decomposition products : No dangerous decomposition products known.

Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes : Causes eye serious eye irritation.

Skin : Based on available data, the classification criteria are not met.

Ingestion : Based on available data, the classification criteria are not met.

Inhalation : Based on available data, the classification criteria are not met.

Chronic Exposure : Long lasting skin contact may cause degreasing of the skin and may cause therefore dermatitis.

Toxicity

Product

Acute oral toxicity : Acute toxicity estimate: LD50 >2,000 mg/kg (rat)

Acute inhalation toxicity : no data available

Acute dermal toxicity : Acute toxicity estimate: LD50 >7,940 mg/kg (rabbit)

Skin corrosion/irritation : no data available

Serious eye damage/eye irritation : Result: Serious eye irritation

Respiratory or skin sensitization : no data available

Carcinogenicity

IARC : **Group 2B: Possibly carcinogenic to humans**
Substance not listed

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OSHA Substance not listed

NTP **Reasonably anticipated to be a human carcinogen**
Substance not listed

Reproductive effects : no data available
Germ cell mutagenicity : no data available
Teratogenicity : no data available
STOT - single exposure : no data available
STOT - repeated exposure : no data available
Aspiration toxicity : no data available

Section: 12. ECOLOGICAL INFORMATION

Components

Toxicity to fish : **7758-16-9 Disodiumdihydrogendiphosphate**
LC50 (96 h) 840 mg/L (Salmo gairdneri)
EC50 (3 h) (static) >1,000 mg/L (activated sludge) (OECD 209
READ ACROSS)
EC50 (48 h) (static) >100
mg/L (daphnia magna) (EPA
OTS 797.1300 READ
ACROSS) EC50 (72 h) (static)
>100 mg/L (desmodesmus
subspicatus) (OECD 201
READ ACROSS) NOEC
(static) 100
mg/L (daphnia magna) (EPA
OTS 797.1300 READ
ACROSS)
100 mg/L (desmodesmus subspicatus) (OECD 201 READ
ACROSS)
1,000 mg/L (activated sludge) (OECD 209 READ ACROSS)

Behavior in environmental systems:

Components

Product should not get in higher quantities into waste water because it may act as a plant nutrient and precipitate heavy metals.

Persistence and degradability

Inorganic salts are basicly not biodegradable

Mobility

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No further relevant information available.

Bioaccumulative potential

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

Other information

Easy elimination possible by flocculation or adsorption by sludge.

No COD, no BOD, no AOX

No VOC according to EC-directive 1999/13/EC

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Other adverse effects

No further relevant information available.

13 Disposal considerations

Section: 13. DISPOSAL CONSIDERATIONS

Disposal methods : Can be disposed of with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
Small amounts may be diluted with plenty of water and washed away.
Dispose of bigger amounts in accordance with Local Authority requirements.
The data provided in this section is for information only. Please apply the appropriate classification for your waste.
This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Dry material may be landfilled or recycled in accordance with local, state and federal regulations. Consult your attorney or appropriate regulatory officials for information on such disposal.

Disposal considerations : Dispose of packaging according to regulations on the disposal of packaging.
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleansed are to be disposed of in the same manner as the product. Cleansing agent: Water, if necessary with cleansing agents

Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

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Land transport (DOT)

Void

Air transport (IATA)

Void

Sea transport (IMDG/IMO)

Void

*Note: The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

Packing group

DOT, ADR/RID/ADN, IMDG, IATA

Void

Environmental hazards:

Not applicable.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

UN "Model Regulation":

Void

Transport/Additional information:

Not dangerous according to the above specifications

Section: 15. REGULATORY INFORMATION

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

INTERNATIONAL CHEMICAL CONTROL LAWS:

United States TSCA Inventory

Yes

Australia. Industrial Chemical (Notification and Assessment) Act

Yes

Europe (EINECS):

Yes

Canada (DSL):

Yes

China Inventory of Existing Chemical Substances

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Yes

Japan. ENCS – Existing and New Chemical Substances Inventory

Yes

Korea. Koreans Existing Chemicals Inventory (KECI)

Yes

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Yes

Section: 16. OTHER INFORMATION

Department issuing SDS: Product Safety

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

