

Safety Data Sheet

CLOUT[®]

SDS Revision Date:

03/26/2015



1. Identification

1.1. Product identifier

Product Identity

CLOUT[®]

Alternate Names

CLOUT[®]

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

Intended use

See Technical Data Sheet.

Application Method

See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name

Pharmacal Research Labs., Inc.
562 Captain Neville Dr.
Waterbury, CT 06705, USA

24 hour Emergency Telephone No.:

CHEMTREC (USA)

(800) 424-9300

IN CANADA CALL CANUTEC

(613) 996-6666

Customer Service: Pharmacal Research Labs., Inc.

203-755-4908, (800)-243-5350

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Irrit. 2;H315

Causes skin irritation.

Eye Irrit. 2;H319

Causes serious eye irritation.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Warning

H315 Causes skin irritation.

H319 Causes serious eye irritation.

[Prevention]:

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

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[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P321 Specific treatment (see information on this label).

P337+313 If eye irritation persists: Get medical advice / attention.

P362 Take off contaminated clothing and wash before reuse.

[Storage]:

No GHS storage statements

[Disposal]:

Dispose of contents/container in accordance with local/national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|--|----------|--------------------------------------|-------|
| pentasodium triphosphate CAS Number: 0007758-29-4 | 1.0 - 10 | Not Classified | [1] |
| Sodium carbonate CAS Number: 0000497-19-8 | 1.0 - 10 | Eye Irrit. 2;H319 | [1] |
| Disodium metasilicate CAS Number: 0006834-92-0 | 1.0 - 10 | Skin Corr. 1B;H314 STOT SE 3;H335 | [1] |
| Tetrasodium EDTA CAS Number: 0000064-02-8 | 1.0 - 10 | Acute Tox. 4;H302 Eye Dam. 1;H318 | [1] |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Move to fresh air.
Consult a physician if irritation of respiratory passages occur.

Eyes

Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.
Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.
Call a poison control center or doctor for treatment advice.

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Skin Take off contaminated clothing.
Rinse skin immediately with plenty of water for 15 - 20 minutes.
Call a poison control center or doctor for treatment advice.

Ingestion Call a poison control center or doctor for treatment advice.
Have person drink large quantities of water or fruit juice.
Do not give anything by mouth to an unconscious person.
Induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview **EFFECTS OF OVEREXPOSURE / SIGNS AND SYMPTOMS OF EXPOSURE:**
Contact with concentrated material may cause eye irritation, redness, swelling or cornea clouding.
Oral- may cause gastric upset, pain, diarrhea, or lethargy.
See section 2 for further details.

Eyes Causes serious eye irritation.

Skin Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Use media appropriate for surrounding area.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Hydrogen chloride and chlorine. Chlorine gas rate of decomposition increases with the concentration with temperatures above 85 degrees F (30C).

5.3. Advice for fire-fighters

Use full protective clothing and self-contained breathing apparatus. This product may be corrosive to human tissue. Extinguishing media should be suitable for surrounding fire.
Cool drum with water.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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6.3. Methods and material for containment and cleaning up

Protective clothing and equipment must be worn. Contain spill or leakage in suitable container or holding area. Neutralize and dispose of in accordance with federal, state, and local regulations.

“EMPTY” CONTAINER WARNINGS: Do not reuse empty container. Triple rinse with water - dispose of in conformance with federal, state, and local regulations.

7. Handling and storage

7.1. Precautions for safe handling

Keep in well ventilated area - store above 10°C (50°F). Use goggles or face shield, rubber gloves, and boots where contact is expected.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

Keep out of reach of children.

For professional use only.

Do not mix with any other chemicals unless compatibility has been established by the manufacturer.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|--------------|------------------|----------|----------------------|
| 0000064-02-8 | Tetrasodium EDTA | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0000497-19-8 | Sodium carbonate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

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| | | | |
|--------------|--------------------------|----------|--|
| 0006834-92-0 | Disodium metasilicate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | ACHAN TLV/OSHA 2mg/m ³ PEL 2mg/m ³ |
| 0007758-29-4 | pentasodium triphosphate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|--------------------------|--------|--|
| 0000064-02-8 | Tetrasodium EDTA | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000497-19-8 | Sodium carbonate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0006834-92-0 | Disodium metasilicate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0007758-29-4 | pentasodium triphosphate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls

Respiratory

Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

Eyes

Chemical Splash goggles or faceshield

Skin

Chemical resistant clothing such as coveralls/apron and boots should be worn. Chemical impervious gloves required.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

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9. Physical and chemical properties

| | |
|--|--|
| Appearance | Yellow Liquid |
| Odor | Not Measured |
| Odor threshold | Not Measured |
| pH | 12.5 |
| Melting point / freezing point | Not Measured |
| Initial boiling point and boiling range | Not Measured |
| Flash Point | Non Flammable |
| Evaporation rate (Ether = 1) | Not Measured |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured |
| Vapor pressure (Pa) | Not Measured |
| Vapor Density | Not Measured |
| Specific Gravity | 1.16 |
| Solubility in Water | Soluble |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | Not Measured |
| Decomposition temperature | Not Measured |
| Viscosity (cSt) | Not Measured |

9.2. Other information

Physical properties are approximate or typical values and should not be used for precise design purposes.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid contact with strong acids

10.5. Incompatible materials

Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

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10.6. Hazardous decomposition products

Hydrogen chloride and chlorine. Chlorine gas rate of decomposition increases with the concentration with temperatures above 85 degrees F (30C).

11. Toxicological information

Acute toxicity

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr | Inhalation Gas LD50, ppm |
|--|-----------------------------|-------------------|---------------------------------|-------------------------------------|--------------------------|
| pentasodium triphosphate - (7758-29-4) | 3,120.00, Rat - Category: 5 | No data available | No data available | No data available | No data available |
| Sodium carbonate - (497-19-8) | 4,090.00, Rat - Category: 5 | No data available | No data available | No data available | No data available |
| Disodium metasilicate - (6834-92-0) | 1,153.00, Rat - Category: 4 | No data available | No data available | No data available | No data available |
| Tetrasodium EDTA - (64-02-8) | 1,000.00, Rat - Category: 4 | No data available | No data available | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|-------------------------------|----------|--------------------------------|
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | --- | Not Applicable |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | 2 | Causes skin irritation. |
| Serious eye damage/irritation | 2 | Causes serious eye irritation. |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

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12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|-----------------------------|----------------------------|---|
| pentasodium triphosphate - (7758-29-4) | Not Available | Not Available | Not Available |
| Sodium carbonate - (497-19-8) | 300.00, Lepomis macrochirus | 265.00, Daphnia magna | 242.00 (72 hr), Freshwater Algae |
| Disodium metasilicate - (6834-92-0) | 210.00, Danio rerio | 33.53, Ceriodaphnia dubia | 400.00 (72 hr), Pseudokirchneriella subcapitata |
| Tetrasodium EDTA - (64-02-8) | 486.00, Lepomis macrochirus | 610.00, Daphnia magna | 100.00 (72 hr), Scenedesmus subspicatus |

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|-------------------------------|--|-----------------------------------|---------------|
| 14.1. UN number | Not Applicable | Not Regulated | Not Regulated |
| 14.2. UN proper shipping name | Compounds, Cleaning Liquid NMFC Item# 48580 , Sub 3 | Not Regulated | Not Regulated |

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| | | | |
|---|--|---|----------------------------------|
| 14.3. Transport hazard class(es) | DOT Hazard Class: Not Applicable DOT Label: --- | IMDG: Not Applicable Sub Class: Not Applicable | Air Class: Not Applicable |
| 14.4. Packing group | Not Applicable | Not Applicable | Not Applicable |
| 14.5. Environmental hazards | | | |
| IMDG | Marine Pollutant: No | | |
| 14.6. Special precautions for user | | | |
| No further information | | | |

15. Regulatory information

| | |
|--|--|
| Regulatory Overview | The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. |
| Toxic Substance Control Act (TSCA) | All components of this material are either listed or exempt from listing on the TSCA Inventory. |
| WHMIS Classification | D2B E |
| US EPA Tier II Hazards | Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No |
| EPCRA 311/312 Chemicals and RQs (lbs): | pentasodium triphosphate (5,000.00) |
| EPCRA 302 Extremely Hazardous: | To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |
| EPCRA 313 Toxic Chemicals: | To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |
| Proposition 65 - Carcinogens (>0.0%): | To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |
| Proposition 65 - Developmental Toxins (>0.0%): | Methanol |
| Proposition 65 - Female Repro Toxins (>0.0%): | To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |
| Proposition 65 - Male Repro Toxins (>0.0%): | To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |
| N.J. RTK Substances (>1%) : | To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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Penn RTK Substances (>1%):

pentasodium triphosphate

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

The information and recommendations contained herein are, to the best of Pharmacal's knowledge and belief, accurate and reliable as of the date issued. Pharmacal does not warrant or guarantee their accuracy or reliability, and Pharmacal shall not be liable for any loss or damage arising out of their use thereof.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use.

The hazardous materials identification system (HMIS) and national fire protection association ratings have been included by Pharmacal research laboratories INC. In order to provide additional health and hazard information. The ratings recommended are based upon criteria supplied by the developers of these rating systems, together with Pharmacal's interpretation of the available data.

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