

1. Identification

1.1. Product identifier

Product Identity NDT Bleach Plus
Alternate Names NDT Bleach Plus

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

Intended use Laundry Bleach
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Gurtler Industries, Inc.
15475 South LaSalle St.
South Holland, IL 60473 US

Emergency

24 hour Emergency Telephone No. (708) 331-2550
Customer Service: Gurtler Industries, Inc. INFOTRAC - (800) 535-5053

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Corr/Irr. 1C, H314 Causes severe skin burns and eye damage

2.2. Label elements

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



Danger

H314: Causes severe skin burns and eye damage

[Prevention]:

P260: Avoid breathing gas/mist/vapours/spray
P264 Wash thoroughly after handling.
P273: Avoid release to the environment.



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P280: Wear protective gloves/eye protection/face protection.

[Response]:

P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P310 Immediately call a POISON CENTER or doctor / physician.

P321 Specific treatment (see information on this label).

P301+P330+P331 – IF SWALLOWED: Rinse mouth. Do not induce vomiting.

P362 Take off contaminated clothing and wash before reuse.

[Storage]: Store locked up. Store in corrosive resistant container with resistant inner liner.

[Disposal]:

P501: Dispose of contents/container to an approved waste disposal plant.

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 |
|--|----------|-------------------------------------|-------|
| Sodium chloride CAS Number: 7647-14-5 | 5-20 | No Data available | [1] |
| Sodium hypochlorite CAS Number: 7681-52-9 | 10-20 | H314 | [1] |
| Sodium hydroxide CAS Number: 1310-73-2 | <1 | H290, H314, H318 | [1] |
| Water CAS Number: 7732-18-5 | 60-85 | No Data available; no phrases apply | [1] |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[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

If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention



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| | |
|------------------|--|
| Eyes | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. |
| Skin | In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. See physician if irritation persists. |
| Ingestion | If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. Rinse mouth. |

5. Fire-fighting measures

5.1. Extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from the fire area if you can do so without risk. Use water spray to cool adjacent fire exposed containers. Product will not burn but may splatter if temperature exceeds boiling point.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8). Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas.

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.

6.3. Methods and material for containment and cleaning up

Large Spills: Stop the flow of material if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

7. Handling and storage



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7.1. Precautions for safe handling

Do not taste or swallow.
Do not get in eyes, on skin or on clothing.
Avoid breathing vapor or mist.
Use only with adequate ventilation.
Wash thoroughly after handling.
Prevent product contamination.
Keep only in the original container. Store in tightly closed container
Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.
Avoid contamination.

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

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage. Store in tightly closed container. Store in cool, dry, well ventilated area. Store out of direct sunlight in a cool, well ventilated place. Store in original container.

Incompatible materials: acids, reducing agents

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|-----------|---------------------|----------|----------------------|
| 1310-73-2 | Sodium Hydroxide | OSHA | 2mg/m3 |
| | | ACGIH | 2mg/m3 |
| | | NIOSH | 2 mg/m3 ceiling |
| | | Supplier | No Established Limit |
| 7681-52-9 | Sodium Hypochlorite | OSHA | 2mg/m3 STEL |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

8.2. Exposure controls

Respiratory

Avoid breathing vapor or mist. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components.

Eyes

Wear a face shield, chemical goggles and have eye flushing equipment immediately available.

Skin

Chemical resistant, impervious gloves should be worn at all time of the following types;



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nitrile or neoprene. Wear a face shield, chemical goggles and chemical resistant clothing. Wear suitable protective clothing Protective shoes or boots.

Engineering Controls

Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Eye wash facilities and emergency shower must be available when handling this product.

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]:

9. Physical and chemical properties

| | |
|--|--|
| Appearance | Clear, straw-yellow to greensih liquid |
| Odor | Chlorine |
| Odor threshold | Not Measured |
| pH | 11.5 |
| Melting point / freezing point | -150F |
| Initial boiling point and boiling range | >212F |
| Flash Point | Not Measured |
| 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 | 1.09-1.21 |
| Solubility in Water | Completely soluble |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | Not Measured |
| Decomposition temperature | Not Measured |
| Viscosity (cSt) | <50 cps |

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

May be corrosive to metal.

10.2. Chemical stability

Stable under normal circumstances.



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10.3. Possibility of hazardous reactions

This product may react with strong acids and strong oxidizing agents.

10.4. Conditions to avoid

Contact with incompatible materials.

10.5. Incompatible materials

Acids, metals and strong oxidizing agents.

10.6. Hazardous decomposition products

No hazardous decomposition products are known. Contact with acids liberates toxic gas.

11. Toxicological information

Acute toxicity

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|--|-------------------|---------------------------|---------------------------------|-------------------------------------|--------------------------|
| Sodium Chloride CAS Number: 7647-14-5 | 3000mg/kg (rat) | No data available | No data available | No data available | No data available |
| Sodium hydroxide CAS Number: 1310-73-2 | 500mg/kg (rabbit) | 1350 mg/kg (rabbit, LC50) | No data available | No data available | No data available |
| Sodium hypochlorite CAS Number: 7681-52-9 | 8.9g/kg (rat) | 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).

12. Ecological information

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|---------------------------------|-------------------------------|-------------------|
| Sodium Chloride CAS Number: 7647-14-5 | 4747-7824 mg/l (rainbow trout) | 874 mg/l (daphnia magna) | Not Available |
| Sodium hydroxide CAS Number: 1310-73-2 | 125 mg/L (western mosquitofish) | 34.59-47.13 mg/L (water flea) | Not Available |
| Sodium hypochlorite CAS Number: 7681-52-9 | 0.03-0.07 mg/L (rainbow trout) | Not Available | Not Available |

12.2. Persistence and degradability



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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 | UN1791 | UN1791 | UN1791 |
| 14.2. UN proper shipping name | UN1791, Hypochlorite solutions, 8, II | Hypochlorite solutions, 8, III | Hypochlorite solutions, 8, III |
| 14.3. Transport hazard class(es) | DOT Hazard Class: 8 | IMDG: 8 Sub Class: Not Applicable | Air Class: 8 |
| 14.4. Packing group | III | III | III |
| 14.5. Environmental hazards | | | |
| IMDG | Marine Pollutant: Yes | | |
| 14.6. Special precautions for user | No further information | | |

15. Regulatory information

| | |
|---|--|
| Regulatory Overview | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |
| Toxic Substance Control Act (TSCA) | All components of this material are either listed or exempt from listing on the TSCA Inventory. |

EPCRA 311/312 Hazardous Chemicals:

Yes



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EPCRA 302 Extremely Hazardous:

Not listed

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute

Massachusetts Right to Know: Sodium Hydroxide (1310-73-2), Sodium Hypochlorite (7681-52-9)

New Jersey Right to Know: Sodium Hydroxide (1310-73-2), Sodium Hypochlorite (7681-52-9)

Pennsylvania Right to Know: Sodium Hydroxide (1310-73-2), Sodium Hypochlorite (7681-52-9)

Rhode Island Right to Know: Sodium Hydroxide (1310-73-2), Sodium Hypochlorite (7681-52-9)

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%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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.

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.

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

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