



## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/06/2015

Reviewed on 06/06/2015

### \* 1 Identification

- **Product identifier**
- **Trade name: Glissen Laundry Detergent**
- **Relevant identified uses of the substance or mixture and uses advised against**  
Commercial, Industrial, and Institutional Use.
- **Product description** All temperature laundry detergent made for all water localities.
- **Application of the substance / the mixture**  
Add Glissen Laundry Powder to machine, add water and cloth items.  
Top Load Normal Capacity 1 Cup of Detergent.  
Top Load Large Capacity 1 1/3 - 1 1/2 Cup of Detergent.  
Front Load, Compacts & Portables 1/3 - 1/2 cup per load.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Glissen Chemical Company, Inc.  
1321 58th Street  
Brooklyn, NY 11219  
Tel: 718-436-4200  
Fax: 718-851-2938  
www.glissenchemical.com
- **Emergency telephone number:**  
Illinois Poison Control Center  
1-800-752-7869

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.  
Eye Dam. 1 H318 Causes serious eye damage.



GHS07

STOT SE 3 H335 May cause respiratory irritation.

- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS05 GHS07

- **Signal word** Danger

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**Trade name: Glissen Laundry Detergent****· Hazard-determining components of labeling:**

Disodium Metasilicate  
 Alcohol C9-11  
 Benzenesulfonic acid

**· Hazard statements**

Causes severe skin burns and eye damage.  
 May cause respiratory irritation.

**· Precautionary statements**

Do not breathe dusts or mists.  
 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Use only outdoors or in a well-ventilated area.  
 Wear eye protection / face protection.  
 Wash thoroughly after handling.  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 Immediately call a poison center/doctor.  
 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Call a poison center/doctor if you feel unwell.  
 Wash contaminated clothing before reuse.  
 If swallowed: Rinse mouth. Do NOT induce vomiting.  
 Store locked up.  
 Store in a well-ventilated place. Keep container tightly closed.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Unknown acute toxicity:**

6 percent of the mixture consists of ingredient(s) of unknown toxicity.

**· Classification system:****· NFPA ratings (scale 0 - 4)****· HMIS-ratings (scale 0 - 4)**

HEALTH	3	Health = 3
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

**· Hazard(s) not otherwise classified (HNOC):** None known**3 Composition/information on ingredients**

533-96-0	Sodium sesquicarbonate	25-50%
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**· Chemical characterization: Mixtures**

**· Description:** Mixture of substances listed below with nonhazardous additions.

**· Dangerous Components:**

CAS: 497-19-8	Sodium carbonate	25-50%
	⚠ Eye Irrit. 2, H319	

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CAS: 6834-92-0	Disodium Metasilicate ⚠ Skin Corr. 1B, H314; ⚠ STOT SE 3, H335	15-35%
CAS: 7758-29-4	Sodium Tripolyphosphate ⚠ Acute Tox. 4, H332	2-12%
CAS: 68081-81-2	Benzenesulfonic acid ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	2-12%
CAS: 68439-46-3	Alcohol C9-11 ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	≤ 2.5%
CAS: 1303-96-4 RTECS: ED4588000	Disodium tetraborate, decahydrate	≤ 2.5%

### \* 4 First-aid measures

**Description of first aid measures****General information:** Immediately remove any clothing soiled by the product.**After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist. In case of unconsciousness, place patient securely on side position for transportation.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly. If skin irritation occurs, consult a doctor.

**After eye contact:**

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**After swallowing:**

Rinse out mouth and then drink plenty of water.

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

**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.

### 5 Fire-fighting measures

**Extinguishing media****Suitable extinguishing agents:**CO<sub>2</sub>, 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:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

### \* 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

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· **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.

**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**

- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

**\* 8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters**

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

· **Components with occupational exposure limits:**

**1303-96-4 Disodium tetraborate, decahydrate**

REL	Long-term value: 5 mg/m <sup>3</sup>
TLV	Short-term value: 6* mg/m <sup>3</sup> Long-term value: 2* mg/m <sup>3</sup> *as inhalable fraction

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing and wash before reuse.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

· **Breathing equipment:**



Dust mask

· **Protection of hands:**



Protective gloves

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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.

Select glove material based on penetration times, rates of diffusion and 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. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:**



Protective work clothing

* <b>9 Physical and chemical properties</b>
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- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Powder

**Color:** Blue

- **Odor:** Fresh Scent

- **Odor threshold:** Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

**Melting point/Melting range:** Not determined.

**Boiling point/Boiling range:** Not determined.

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Not determined.

- **Ignition temperature:**

**Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not self-igniting.

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

- **Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

- **Vapor pressure:** Not applicable.

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- **Density:**
  - Relative density** Not determined.
  - Vapor density** Not applicable.
  - Evaporation rate** Not applicable.
- **Solubility in / Miscibility with Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not applicable.
  - Kinematic:** Not applicable.
- **Solvent content:**
  - Organic solvents:** 0.0 %
  - Solids content:** 64.2 %
- **Other information** No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**\* 11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**497-19-8 Sodium carbonate**

Oral	LD50	4090 mg/kg (rat)
Inhalative	LC50/96 hours	300 mg/l (Fathead Minnow)

**6834-92-0 Disodium Metasilicate**

Oral	LD50	1280 mg/kg (rat)
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**7758-29-4 Sodium Tripolyphosphate**

Oral	LD50	3900 mg/kg (rat)
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- **Primary irritant effect:**
- **on the skin:** Strong caustic effect on skin and mucous membranes.
- **on the eye:**
  - Strong irritant with the danger of severe eye injury.
  - Corrosive effect.
  - Causes serious eye irritation.
- **Additional toxicological information:**
  - The product shows the following dangers according to internally approved calculation methods for preparations:
  - Corrosive

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Irritant

Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
  - Group 1 - Carcinogenic to humans
  - Group 2A - Probably carcinogenic to humans
  - Group 2B - Possibly carcinogenic to humans
  - Group 3 - Not classifiable as to its carcinogenicity to humans
  - Group 4 - Probably not carcinogenic to humans

None of the ingredients are listed.

· **NTP (National Toxicology Program)**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

**\* 12 Ecological information**· **Toxicity**· **Aquatic toxicity:****497-19-8 Sodium carbonate**

EC50 227 mg/l (daphnia)

**6834-92-0 Disodium Metasilicate**

EC50 247 mg/l (Water flea)

- **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.
- **Additional ecological information:**
- **General notes:** Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

**\* 14 Transport information**

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN3262
- **UN proper shipping name**
- **DOT** Corrosive solid, basic, inorganic, n.o.s. (Disodium trioxosilicate)  
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- **ADR** UN3262 Corrosive solid, basic, inorganic, n.o.s. mixture
- **IMDG, IATA** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. mixture
- **Transport hazard class(es)**
- **DOT**



- **Class** 8 Corrosive substances
- **Label** 8

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- **ADR**



- **Class** 8 (C6) Corrosive substances
- **Label** 8

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- **IMDG, IATA**



- **Class** 8 Corrosive substances
- **Label** 8
- **Packing group**
- **DOT, ADR, IMDG, IATA** III
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Warning: Corrosive substances
- **Danger code (Kemler):** 80
- **EMS Number:** F-A,S-B
- **Segregation groups** Alkalis
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**
- **DOT**
- **Quantity limitations** On passenger aircraft/rail: 25 kg  
On cargo aircraft only: 100 kg

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- **ADR**

- **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 g  
Maximum net quantity per outer packaging: 1000 g

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- **IMDG**

- **Limited quantities (LQ)** 5 kg
- **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 g  
Maximum net quantity per outer packaging: 1000 g

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· **UN "Model Regulation":** UN3262, Corrosive solid, basic, inorganic, n.o.s. mixture, 8, III

## 15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**  
None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**  
7758-29-4 Sodium Tripolyphosphate

· **TSCA (Toxic Substances Control Act):**  
All ingredients are listed.

· **California Proposition 65**

· **Chemicals known to cause cancer:**  
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**  
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**  
None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**  
None of the ingredients are listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**  
1303-96-4 Disodium tetraborate, decahydrate I (oral)

· **TLV (Threshold Limit Value established by ACGIH)**  
1303-96-4 Disodium tetraborate, decahydrate A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**  
None of the ingredients are listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS05 GHS07

· **Signal word** Danger

· **Hazard-determining components of labeling:**

- Disodium Metasilicate
- Alcohol C9-11
- Benzenesulfonic acid

· **Hazard statements**

- Causes severe skin burns and eye damage.
- May cause respiratory irritation.

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**Trade name: Glissen Laundry Detergent****Precautionary statements**

Do not breathe dusts or mists.  
 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Use only outdoors or in a well-ventilated area.  
 Wear eye protection / face protection.  
 Wash thoroughly after handling.  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Immediately call a poison center/doctor.  
 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Call a poison center/doctor if you feel unwell.  
 Wash contaminated clothing before reuse.  
 If swallowed: Rinse mouth. Do NOT induce vomiting.  
 Store locked up.  
 Store in a well-ventilated place. Keep container tightly closed.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

**National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

**State Right to Know**

533-96-0	Sodium sesquicarbonate	25-50%
497-19-8	Sodium carbonate ⚠ Eye Irrit. 2, H319	25-50%
6834-92-0	Disodium Metasilicate ⚠ Skin Corr. 1B, H314; ⚠ STOT SE 3, H335	15-35%
7758-29-4	Sodium Tripolyphosphate ⚠ Acute Tox. 4, H332	2-12%
68081-81-2	Benzenesulfonic acid ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	2-12%
68439-46-3	Alcohol C9-11 ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	≤ 2.5%

All ingredients are listed.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

**Date of preparation / last revision** 06/06/2015 / -

**Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances

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CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

**\* Data compared to the previous version altered.**

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