



**Safety Data Sheet (SDS)**  
**No. 3801 Liquid Laundry II**  
**SDS Revision Date:**

**05/07/2015**

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product Identity** No. 3801 Liquid Laundry II  
**Alternate Names** No. 3801

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

**Intended use** Detergent.  
**Application Method** See Label Instructions.

**1.3. Details of the supplier of the safety data sheet**

**Company Name** Hill Manufacturing Co., Inc.  
1500 Jonesboro Road SE  
Atlanta, GA 30315

**Emergency**

**24 hour Emergency Telephone No.** (800) 535-5053  
**Customer Service: Hill Manufacturing Co., Inc.** (404) 522-8364

**2. Hazard identification of the product**

**2.1. Classification of the substance or mixture**

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

**[Prevention]:**

P260 Do not breathe mist / vapors / spray.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves / eye protection / face protection.

**[Response]:**

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
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.  
P363 Wash contaminated clothing before reuse.

**[Storage]:**

P405 Store locked up.

**[Disposal]:**

P501 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
<b>Nonylphenol polyethoxylate</b> CAS Number: 0009016-45-9	10 - 25	Eye Dam. 2A;H319 Skin Irrit. 2;H315 Aquatic Chronic 2;H411 Acute Tox. 4;H302	[1][3]
<b>Sodium (C10-16)alkylbenzenesulfonate</b> CAS Number: 0068081-81-2	1.0 - 10	Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315 STOT SE 3;H335	[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

Move victim to fresh air.  
Call 911 or emergency medical service if deemed necessary.  
Give artificial respiration if victim is not breathing.  
Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.  
Administer oxygen if breathing is difficult.  
Remove and isolate contaminated clothing and shoes.  
In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.  
For minor skin contact, avoid spreading material on unaffected skin.  
Keep victim warm and quiet.  
Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.  
Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

##### Inhalation

Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

##### Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

##### Skin

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

##### Ingestion

If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

##### Overview

Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. See section 2 for further details.

##### Eyes

Causes serious eye damage.

##### Skin

Causes severe skin burns and eye damage.

### 5. Fire-fighting measures

#### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Do not use; water jet.

#### 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).

Do not breathe mist / vapors / spray.

#### 5.3. Advice for fire-fighters

Wear positive pressure self-contained breathing apparatus (SCBA).  
 Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.  
 Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.  
 Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.).  
 Contact with metals may evolve flammable hydrogen gas.  
 Containers may explode when heated.

**TOXIC**; inhalation, ingestion or skin contact with material may cause severe injury or death.  
 Contact with molten substance may cause severe burns to skin and eyes.  
 Avoid any skin contact.  
 Effects of contact or inhalation may be delayed.  
 Fire may produce irritating, corrosive and/or toxic gases.  
 Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.

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**6. Accidental release measures**

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

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).  
 Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.  
 Stop leak if you can do it without risk.  
 Prevent entry into waterways, sewers, basements or confined areas.  
 Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.  
**DO NOT GET WATER INSIDE CONTAINERS.**

**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**

Keep unauthorized personnel away.  
 Stay upwind.  
 Keep out of low areas.  
 Ventilate enclosed areas.

**7. Handling and storage**

**7.1. Precautions for safe handling**

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)**

No data available.

**8. Exposure controls and personal protection**

**8.1. Control parameters**

CAS No.	Ingredient	Exposure	
		Source	Value
0009016-45-9	Nonylphenol polyethoxylate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0068081-81-2	Sodium (C10-16)alkylbenzenesulfonate	OSHA	No Established Limit
		ACGIH	No Established Limit

		NIOSH	No Established Limit
		Supplier	No Established Limit

#### Carcinogen Data

CAS No.	Ingredient	Source	Value
0009016-45-9	Nonylphenol polyethoxylate	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;
0068081-81-2	Sodium (C10-16)alkylbenzenesulfonate	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

Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

##### Skin

Chemical resistant clothing such as coveralls/apron boots should be worn. Chemical Impervious Gloves

##### 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]:

#### 9. Physical and chemical properties

Appearance	Blue Liquid
Odor	Mint
Odor threshold	Not Measured
pH	12.5-12.8
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	212 deg f
Flash Point	Not Measured
Evaporation rate (Ether = 1)	Less than ether
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
Vapor pressure (mmHg)	2
Vapor Density	Heavier than air
Specific Gravity	1.05
Solubility in Water	Complete
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

No other relevant information.

#### 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**

No data available.

**10.5. Incompatible materials**

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

**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
Nonylphenol polyethoxylate - (9016-45-9)	2,000.00, Rat - Category: 4	No data available	No data available	No data available	No data available
Sodium (C10-16)alkylbenzenesulfonate - (68081-81-2)	No data available	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	1	Causes severe skin burns and eye damage.
Serious eye damage/irritation	1	Causes serious eye damage.
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

**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
Nonylphenol polyethoxylate - (9016-45-9)	1.30, Lepomis macrochirus	4.80, Daphnia pulex	12.00 (96 hr), Pseudokirchneriella subcapitata
Sodium (C10-16)alkylbenzenesulfonate - (68081-81-2)	Not Available	Not Available	Not Available

**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 PBT/vPvB chemicals.

**12.6. Other adverse effects**

No data available.

<b>13. Disposal considerations</b>
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**13.1. Waste treatment methods**

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

<b>14. Transport information</b>
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	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
<b>14.1. UN number</b>	UN1760	UN1760	UN1760
<b>14.2. UN proper shipping name</b>	UN1760, Corrosive liquids, n.o.s., (disodium trioxosilicate), 8, III	Corrosive liquids, n.o.s., (disodium trioxosilicate)	Corrosive liquids, n.o.s., (disodium trioxosilicate)
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> 8 <b>DOT Label:</b> 8	<b>IMDG:</b> 8 <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> 8
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>	No further information		

<b>15. Regulatory information</b>
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**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:**

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

**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%):**

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.

**New Jersey RTK Substances (>1%) :**

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

**Pennsylvania RTK Substances (>1%) :**

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

<b>16. Other information</b>
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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.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

**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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