

# Safety Data Sheet

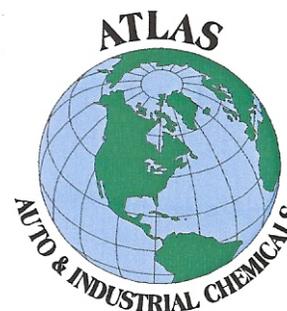
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name: Rags 2 Riches**
- **Article number:** No other identifiers
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture:** Laundry Detergent
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Atlas Chemical  
4626 Eagle Falls Place  
Tampa, FL 33619
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
+1 (800)255-3924, +1 (813)248-0585



## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Classifications listed are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).



corrosion

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

- **Additional information:**  
There are no other hazards not otherwise classified that have been identified.  
0 % of the mixture consists of component(s) of unknown toxicity.

### 2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008**  
The product is additionally classified and labelled according to the Globally Harmonized System within the United States (GHS).  
The product is classified and labelled according to the CLP regulation.

### · Hazard pictograms



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
sodium hydroxide

(Cont'd. on page 2)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

Trade name: Rags 2 Riches

(Cont'd. from page 1)

disodium metasilicate

Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched

- **Hazard statements**

H314 Causes severe skin burns and eye damage.

- **Precautionary statements**

P260 Do not breathe mist/vapours/spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **NFPA ratings (scale 0 - 4)**



Health = 3

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



HEALTH 3 Health = 3

FIRE 0 Fire = 0

REACTIVITY 0 Reactivity = 0

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

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

- **Dangerous components:**

CAS: 111-76-2	2-butoxyethanol	2,5-10%
EINECS: 203-905-0	⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332;	
Index number: 603-014-00-0	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 1310-73-2	sodium hydroxide	2,5-10%
EINECS: 215-185-5	⚠ Met. Corr.1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318	
Index number: 011-002-00-6		

(Cont'd. on page 3)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

Trade name: Rags 2 Riches

(Cont'd. from page 2)

CAS: 6834-92-0 EINECS: 229-912-9 Index number: 014-010-00-8	disodium metasilicate Met. Corr. 1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318 STOT SE 3, H335	≤ 2,5%
CAS: 127087-87-0 NLP: 500-315-8	Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched Eye Dam. 1, H318 Aquatic Chronic 2, H411 Acute Tox. 4, H302; Skin Irrit. 2, H315	≤ 2,5%
CAS: 6381-92-6	edetetic acid disodium salt Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≤ 2,5%
CAS: 61789-40-0 EINECS: 263-058-8	Cocoamidopropyl Betaine Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤ 2,5%

• **SVHC**

127087-87-0 | Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched

• **Additional information:**

For the listed ingredient(s), the identity and exact percentages are being withheld as a trade secret.

## SECTION 4: First aid measures

• **4.1 Description of first aid measures**

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately rinse with water.  
If skin irritation continues, consult a doctor.  
Seek immediate medical help for blistering or open wounds.
- **After eye contact:**  
Protect unharmed eye.  
Remove contact lenses if worn, if possible.  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.

• **4.2 Most important symptoms and effects, both acute and delayed**

- Coughing
- Caustic effect on skin and mucous membranes.
- Danger of severe eye injury.
- Gastric or intestinal disorders when ingested.

• **Hazards**

- Repeated exposure may cause skin dryness or cracking.
- Danger of gastric perforation.
- Causes severe skin burns and eye damage.
- May be harmful if inhaled.

• **4.3 Indication of any immediate medical attention and special treatment needed**

If swallowed, gastric irrigation with added, activated carbon.

(Cont'd. on page 4)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

Trade name: Rags 2 Riches

Medical supervision for at least 48 hours.

(Cont'd. from page 3)

## SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information** No further relevant information available.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Use personal protective equipment as required.  
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.  
Send for recovery or disposal in suitable receptacles.
- **6.4 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.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Prevent formation of aerosols.  
Use only in well ventilated areas.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Unsuitable material for receptacle: aluminium.  
Unsuitable material for receptacle: steel.

(Cont'd. on page 5)

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according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

Trade name: Rags 2 Riches

(Cont'd. from page 4)

Unsuitable material for receptacle: glass or ceramic.

Provide ventilation for receptacles.

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidising agents.

Do not store together with acids.

- **Further information about storage conditions:** Keep container tightly sealed.

- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

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

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

### 111-76-2 2-butoxyethanol

IOELV (EU)	Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 98 mg/m <sup>3</sup> , 20 ppm Skin
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PEL (USA)	Long-term value: 240 mg/m <sup>3</sup> , 50 ppm Skin
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REL (USA)	Long-term value: 24 mg/m <sup>3</sup> , 5 ppm Skin
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TLV (USA)	Long-term value: 97 mg/m <sup>3</sup> , 20 ppm BEI
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EL (Canada)	Long-term value: 20 ppm
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EV (Canada)	Long-term value: 20 ppm Skin
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### 1310-73-2 sodium hydroxide

PEL (USA)	Long-term value: 2 mg/m <sup>3</sup>
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REL (USA)	Ceiling limit: 2 mg/m <sup>3</sup>
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TLV (USA)	Ceiling limit: 2 mg/m <sup>3</sup>
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EL (Canada)	Ceiling limit: 2 mg/m <sup>3</sup>
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EV (Canada)	Ceiling limit: 2 mg/m <sup>3</sup>
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- **DNELs** No further relevant information available.

- **PNECs** No further relevant information available.

- **Ingredients with biological limit values:**

### 111-76-2 2-butoxyethanol

BEI (USA)	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis
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(Cont'd. on page 6)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

Trade name: Rags 2 Riches

(Cont'd. from page 5)

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid close or long term contact with the skin.  
Avoid contact with the eyes.
- **Respiratory protection:**  
Not required under normal conditions of use.  
Use suitable respiratory protective device when high concentrations are present.  
Use suitable respiratory protective device in case of insufficient ventilation.  
For large spills, respiratory protection may be advisable.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **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 can not be calculated in advance and has therefore to be checked prior to the application.
- **Eye protection:**  
Contact lenses should not be worn.



Safety glasses

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment** Avoid release to the environment.
- **Risk management measures** See Section 7 for additional information.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Liquid
Colour:	Orange
Odour:	Fruit-like
Odour threshold:	Not determined.
- **pH-value:** Not determined.

(Cont'd. on page 7)

## Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

Trade name: Rags 2 Riches

(Cont'd. from page 6)

· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Not determined.
<b>Boiling point/Boiling range:</b>	Not determined.
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Auto/Self-ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Product is not self-igniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Oxidising properties</b>	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Emulsifiable.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Reacts with strong oxidising agents.  
Reacts with acids.  
Reacts with fats and oils.  
Attacks materials containing glass and silicate.  
Reacts with various metals.  
Toxic fumes may be released if heated above the decomposition point.

(Cont'd. on page 8)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

Trade name: Rags 2 Riches

(Cont'd. from page 7)

- **10.4 Conditions to avoid**  
Store away from oxidising agents.  
Avoid acids.
- **10.5 Incompatible materials:** Oxidizers, strong bases, strong acids
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Nitrogen oxides (NOx)  
Phosphorus oxides (e.g. P2O5)

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

**111-76-2 2-butoxyethanol**

Oral	LD50	1480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)
Inhalative	LC50/4h	450 ppm (rat)

**1310-73-2 sodium hydroxide**

Oral	LD50	2000 mg/kg (rat)
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**127087-87-0 Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched**

Oral	LD50	1410 mg/kg (rat)
Dermal	LD50	2830 mg/kg (rabbit)

**6381-92-6 edetic acid disodium salt**

Oral	LD50	2000 mg/kg (rat)
------	------	------------------

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Acute effects (acute toxicity, irritation and corrosivity):** Causes severe skin burns and eye damage.
- **Repeated dose toxicity:** No further relevant information available.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

(Cont'd. on page 9)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

Trade name: Rags 2 Riches

(Cont'd. from page 8)

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**  
Toxic for aquatic organisms

### 127087-87-0 Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched

LC50 &gt; 3,8 mg/l (pimephales promelas)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. If the dilution of the use-level pH-value is considerably reduced, the aqueous waste, emptied into drains, is only low water-dangerous.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Small amounts may be diluted with plenty of water and washed away. Dispose of larger amounts in accordance with Local Authority requirements.  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

- **14.1 UN-Number**
- **DOT, ADR, IMDG, IATA** UN3266

(Cont'd. on page 10)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

Trade name: Rags 2 Riches

(Cont'd. from page 9)

· **14.2 UN proper shipping name**



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 L (1.3 gal).

· **DOT, IATA**

Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide)

· **ADR**

3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)

· **IMDG**

CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)

· **14.3 Transport hazard class(es)**

· **DOT**



· **Class**

8 Corrosive substances.

· **Label**

8

· **ADR**



· **Class**

8 (C5) Corrosive substances.

· **Label**

8

· **IMDG, IATA**



· **Class**

8 Corrosive substances.

· **Label**

8

· **14.4 Packing group**

· **DOT, ADR, IMDG, IATA**

III

· **14.5 Environmental hazards:**

Not applicable.

· **14.6 Special precautions for user**

Warning: Corrosive substances.

· **Danger code (Kemler):**

80

· **EMS Number:**

F-A,S-B

· **Segregation groups**

Alkalis

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

(Cont'd. on page 11)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

Trade name: Rags 2 Riches

(Cont'd. from page 10)

· **Transport/Additional information:**

· **ADR**

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **Transport category**

3

· **Tunnel restriction code**

E

· **IMDG**

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":**

UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC,  
N.O.S. (SODIUM HYDROXIDE), 8, III

## SECTION 15: Regulatory information

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

· **United States (USA)**

· **SARA**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

111-76-2 | 2-butoxyethanol

7758-29-4 | pentasodium triphosphate

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65 (California):**

· **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)**

111-76-2 | 2-butoxyethanol

NL

(Cont'd. on page 12)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

Trade name: Rags 2 Riches

(Cont'd. from page 11)

· <b>IARC (International Agency for Research on Cancer)</b>		
111-76-2	2-butoxyethanol	3

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

· <b>Canada</b>		
· <b>Canadian Domestic Substances List (DSL)</b>		
All ingredients are listed.		

· <b>Canadian Ingredient Disclosure list (limit 0.1%)</b>		
None of the ingredients are listed.		

· <b>Canadian Ingredient Disclosure list (limit 1%)</b>		
111-76-2	2-butoxyethanol	
1310-73-2	sodium hydroxide	
6834-92-0	disodium metasilicate	

· <b>Directive 2012/18/EU</b>		
· <b>Named dangerous substances - ANNEX I</b>		
None of the ingredients are listed.		

· <b>Other regulations, limitations and prohibitive regulations</b>		
· <b>Substances of very high concern (SVHC) according to REACH, Article 57</b>		
127087-87-0	Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy, branched	

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

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

(Cont'd. on page 13)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 4-1-23

Revision: 4-1-23

<b>Trade name: Rags 2 Riches</b>
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(Cont'd. from page 12)

GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 Met. Corr. 1: Corrosive to metals, Hazard Category 1  
 Acute Tox. 4: Acute toxicity, Hazard Category 4  
 Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A  
 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  
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

**Sources**

Website, European Chemicals Agency ([http://http://echa.europa.eu/](http://echa.europa.eu/))  
 Website, US EPA Substance Registry Services ([http://http://ofmpub.epa.gov/sor\\_internet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sor_internet/registry/substreg/home/overview/home.do))  
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