

# Safety Data Sheet (SDS)

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

Issue date 07/03/2015

Reviewed on 07/03/2015

## \* 1 Identification

- **Product identifier**
- **Trade name:** ARC Rainbow Suds Liquid Laundry Detergent M-6615
- **Relevant identified uses of the substance or mixture and uses advised against** Liquid laundry detergent.
- **Product description** Liquid laundry detergent.
- **Application of the substance / the mixture** Industry specific application.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Cosco Soap & Detergent  
1930 Troutman Street  
Ridgewood, NY 11385  
Phone: 718-383-4488  
Fax: 718-349-2865  
www.coscosoap-detergentco.com  
info@coscosoap-detergentco.com
- **Emergency telephone number:**  
Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)  
Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

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

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

Poly(oxy-1,2-ethanediyl), alpha-(4- 4 – 8% nonylphenyl)-omega-hydroxy-, branched  
Benzenesulfonic acid

- **Hazard statements**

Causes skin irritation.

Causes serious eye damage.

May cause respiratory irritation.

(Contd. on page 2)

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## Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves.  
 Wear eye protection / face protection.  
 Wash thoroughly after handling.  
 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.  
 If skin irritation occurs: Get medical advice/attention.  
 If on skin: Wash with plenty of water.  
 Take off contaminated clothing and wash it before reuse.  
 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:

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

## Classification system:

## NFPA ratings (scale 0 - 4)



Health = 1

Fire = 0

Reactivity = 0

## HMIS-ratings (scale 0 - 4)



Health = 1

Fire = 0

Reactivity = 0

## Hazard(s) not otherwise classified (HNOC): None known

## \* 3 Composition/information on ingredients

### Chemical characterization: Mixtures

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

### Dangerous Components:

CAS: 68081-81-2	Benzenesulfonic acid ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	Proprietary%
CAS: 127087-87-0 RTECS: WZ4750000	Poly(oxy-1,2-ethanediyl), alpha-(4- 4 – 8% nonylphenyl)-omega-hydroxy-, branched ⚠ Eye Dam. 1, H318; ⚠ STOT SE 3, H335	Proprietary%
CAS: 102-71-6	Triethanolamine, TEA ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320	Proprietary%

## \* 4 First-aid measures

### Description of first aid measures

### After inhalation:

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

(Contd. on page 3)

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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:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

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

- **After swallowing:**

Rinse mouth.

Do not induce vomiting.

If swallowed and symptoms occur, consult 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**

If incinerated, product will release the following toxic fumes: Oxides of Carbon, Nitrogen (NO<sub>x</sub>), Sodium and Sulfur.

- **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**

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation

- **Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

- **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**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- **Information about protection against explosions and fires:** No special measures required.

(Contd. on page 4)

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Issue date 07/03/2015

Reviewed on 07/03/2015

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- **Conditions for safe storage, including any incompatibilities**  
Store away from strong acids, strong bases and strong oxidizing agents.
- **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 local exhaust at filling zones and where leakage and dust formation is probable. 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:**

**102-71-6 Triethanolamine, TEA**

TLV Long-term value: 5 mg/m<sup>3</sup>

- **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:**  
The usual precautionary measures for handling chemicals should be followed.  
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 skin.  
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

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.

(Contd. on page 5)

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

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· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Not required.

### \* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Liquid

Color:

Clear, blue

· **Odor:**

Citrus-floral

· **Odor threshold:**

Not determined.

· **pH-value @ 20 °C (68 °F):**

10.0-10.5

· **Change in condition**

Melting point/Melting range:

Not determined.

Boiling point/Boiling range:

100 °C (212 °F)

· **Flash point:**

Not applicable.

· **Flammability (solid, gaseous):**

Not applicable.

· **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:

0.0 Vol %

Upper:

0.0 Vol %

· **Vapor pressure @ 20 °C (68 °F):**

23 hPa (17 mm Hg)

· **Density @ 20 °C (68 °F):**

1.08 g/cm<sup>3</sup> (9.013 lbs/gal)

· **Relative density**

Not determined.

· **Vapor density**

Not determined.

· **Evaporation rate**

Not determined.

· **Solubility in / Miscibility with**

Water:

Soluble.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic:

Not determined.

Kinematic:

Not determined.

· **Solvent content:**

Solids content:

36.2 %

· **Other information**

No further relevant information available.

(Contd. on page 6)

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### \* 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:** Strong acids, strong bases and strong oxidizing agents.
- **Hazardous decomposition products:** Oxides of Carbon, Nitrogen (NOx), Sodium and Sulfur.

### \* 11 Toxicological information

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

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

**127087-87-0 Poly(oxy-1,2-ethanediyl), alpha-(4- 4 – 8% nonylphenyl)-omega-hydroxy-, branched**

Oral	LD50	16000 mg/kg (rat)
Dermal	LD50	4490 mg/kg (rabbit) (24 hr occluded contact)

**102-71-6 Triethanolamine, TEA**

Oral	LD50	5530 mg/kg (rat)
		2200 mg/kg (rabbit)
	LD50 Oral	2200 ml/kg (Guinea Pig)
		5846 ml/kg (mouse)
Dermal	LD50	>22500 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:**  
Strong irritant with the danger of severe eye injury.  
Causes serious eye irritation.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **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

102-71-6	Triethanolamine, TEA	3
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- **NTP (National Toxicology Program)**

None of the ingredients are listed.

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

None of the ingredients are listed.

(Contd. on page 7)

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Reviewed on 07/03/2015

**Trade name: ARC Rainbow Suds Liquid Laundry Detergent M-6615**

### \* 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

**102-71-6 Triethanolamine, TEA**

EC50 609.98 mg/l (daphnia)

- **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:** Not known to be hazardous to water.
- **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:**  
Small quantities can be disposed of with household waste.  
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packagings:**
- **Recommendation:**  
Disposal must be made according to official regulations.  
Dispose of as unused product.

### \* 14 Transport information

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Non-Regulated Material
- **Packing group**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

(Contd. on page 8)

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## \* 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):**

None of the ingredients are listed.

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

	water, distilled, conductivity or of similar purity
68081-81-2	Benzenesulfonic acid
127087-87-0	Poly(oxy-1,2-ethanediyl), alpha-(4- 4 – 8% nonylphenyl)-omega-hydroxy-, branched
1300-72-7	Sodium Xylene Sulfonate
102-71-6	Triethanolamine, TEA
64-02-8	Tetrasodium ethylenediaminetetraacetate

### · **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)**

None of the ingredients are listed.

### · **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients are listed.

### · **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:**

Poly(oxy-1,2-ethanediyl), alpha-(4- 4 – 8% nonylphenyl)-omega-hydroxy-, branched  
Benzenesulfonic acid

(Contd. on page 9)



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**Trade name: ARC Rainbow Suds Liquid Laundry Detergent M-6615**

• **Hazard statements**

Causes skin irritation.  
Causes serious eye damage.  
May cause respiratory irritation.

• **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves.  
Wear eye protection / face protection.  
Wash thoroughly after handling.  
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.  
If skin irritation occurs: Get medical advice/attention.  
If on skin: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.  
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**

CAS: 68081-81-2	Benzenesulfonic acid ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	Proprietary%
CAS: 127087-87-0 RTECS: WZ4750000	Poly(oxy-1,2-ethanediyl), alpha-(4- 4 – 8% nonylphenyl)-omega-hydroxy-, branched ⚠ Eye Dam. 1, H318; ⚠ STOT SE 3, H335	Proprietary%
CAS: 102-71-6	Triethanolamine, TEA ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320	Proprietary%

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** 07/03/2015 / -

• **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  
CAS: Chemical Abstracts Service (division of the American Chemical Society)

(Contd. on page 10)

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NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

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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