

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 11/29/2017

Reviewed on 11/28/2017

### 1 Identification

- **Product identifier**
- **Trade name:** Shine - N - Shield For Wheels
- **Article number:** SNSFW
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Superior Solutions  
3991 Hwy 171  
DeRidder, LA 70634
- **Information department:** (337) 794-1829
- **Emergency telephone number:**  
Chemtrec 1-800-424-9300, CCN 726066 or 1-703-527-3887 (collect calls accepted)

### 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.

- **Label elements**

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



GHS05

- **Signal word** Danger

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

Quaternary Amide & Polyoxyethylene Tallow Amine  
acetic acid

- **Hazard statements**

Causes skin irritation.

Causes serious eye damage.

- **Precautionary statements**

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

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

P310 Immediately call a poison center/doctor.

P321 Specific treatment (see on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

(Contd. on page 2)

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# Safety Data Sheet

acc. to OSHA HCS

Printing date 11/29/2017

Reviewed on 11/28/2017

Trade name: Shine - N - Shield For Wheels

(Contd. of page 1)

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



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



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

111-76-2	2-butoxyethanol	>10-≤25%
61791-25-2	Quaternary Amide & Polyoxyethylene Tallow Amine	>2.5-≤10%
69430-37-1	Aminoalkoxydimethylpolysiloxane (Silicone Fluid)	>2.5-≤10%
64-19-7	acetic acid	>2.5-≤10%
	Surfactant Blend (proprietary)	>2.5-≤10%

### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Remove contact lenses if able to do so.  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
A person vomiting while lying on their back should be turned onto their side.  
Do not induce vomiting; immediately call for medical help.  
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
Headache  
Dizziness  
Cramp  
Gastric or intestinal disorders  
Nausea  
Corrosive and extremely irritating to all tissues.
- **Danger** Large doses may result in red blood cell hemolysis.
- **Indication of any immediate medical attention and special treatment needed**  
Medical supervision for at least 48 hours.

(Contd. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 11/29/2017

Reviewed on 11/28/2017

**Trade name: Shine - N - Shield For Wheels**

Treat symptomatically and supportively

(Contd. of page 2)

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**  
Product is not flammable, however due to the possible evolution of toxic gases in fire situations, fight surrounding fires from the upwind side of the fire wearing full SCBA protective gear. Avoid breathing fumes, vapors or gases from this product.
- **Protective equipment:**  
Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Dilute with plenty of water.
- **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 item 13.
- **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.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

111-76-2	2-butoxyethanol	60 ppm
64-19-7	acetic acid	5 ppm

- **PAC-2:**

111-76-2	2-butoxyethanol	120 ppm
64-19-7	acetic acid	35 ppm

- **PAC-3:**

111-76-2	2-butoxyethanol	700 ppm
64-19-7	acetic acid	250 ppm

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **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:**  
Store away from oxidizing agents.  
Store away from foodstuffs.

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 11/29/2017

Reviewed on 11/28/2017

**Trade name: Shine - N - Shield For Wheels**

(Contd. of page 3)

- **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 item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
At this time, the other constituents have no known exposure limits.

### 111-76-2 2-butoxyethanol

PEL	Long-term value: 240 mg/m <sup>3</sup> , 50 ppm Skin
REL	Long-term value: 24 mg/m <sup>3</sup> , 5 ppm Skin
TLV	Long-term value: 97 mg/m <sup>3</sup> , 20 ppm BEI

### 64-19-7 acetic acid

PEL	Long-term value: 25 mg/m <sup>3</sup> , 10 ppm
REL	Short-term value: 37 mg/m <sup>3</sup> , 15 ppm Long-term value: 25 mg/m <sup>3</sup> , 10 ppm
TLV	Short-term value: 37 mg/m <sup>3</sup> , 15 ppm Long-term value: 25 mg/m <sup>3</sup> , 10 ppm

- **Ingredients with biological limit values:**

### 111-76-2 2-butoxyethanol

BEI	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis
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- **Additional information:** The lists that were valid during the creation 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.  
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.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
Neoprene gloves

(Contd. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 11/29/2017

Reviewed on 11/28/2017

**Trade name: Shine - N - Shield For Wheels**

(Contd. of page 4)

PVC gloves

Fluorocarbon rubber (Viton)

Chloroprene rubber, CR

Butyl rubber, BR

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.

· **Penetration time of glove material**

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

· **Not suitable are gloves made of the following materials:**

Strong gloves

Leather gloves

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

## 9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

<b>Form:</b>	Liquid
<b>Color:</b>	Amber colored
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	Not determined.

· **pH-value:** 3.5

· **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	100 °C (212 °F)

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 240 °C (464 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

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

· **Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

· **Vapor pressure at 20 °C (68 °F):** 23 hPa (17.3 mm Hg)

· **Density:** Not determined.

· **Relative density** Not determined.

· **Vapor density** Not determined.

(Contd. on page 6)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 11/29/2017

Reviewed on 11/28/2017

Trade name: Shine - N - Shield For Wheels

(Contd. of page 5)

· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	17.0 %
<b>Water:</b>	62.0 %
<b>VOC content:</b>	17.00 %
	170.0 g/l / 1.42 lb/gl
<b>Solids content:</b>	0.0 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
- Reacts with strong oxidizing agents.
- Reacts with strong acids.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
- Carbon monoxide and carbon dioxide
- Nitrogen oxides (NOx)

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- on the skin:** Irritant to skin and mucous membranes.
- on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.
- **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)

111-76-2 | 2-butoxyethanol

3

### · NTP (National Toxicology Program)

no ingredient above de minimis level is listed

(Contd. on page 7)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 11/29/2017

Reviewed on 11/28/2017

**Trade name: Shine - N - Shield For Wheels**

(Contd. of page 6)

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

*None of the ingredients is listed.*

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **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:**  
*Water hazard class 1 (Self-assessment): slightly hazardous for water*  
*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*  
*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

- |  |                        |
|--|------------------------|
| · <b>UN-Number</b>   |                        |
| · <b>DOT</b>   | <i>Not regulated</i>   |
| · <b>UN proper shipping name</b>   |                        |
| · <b>DOT</b>   | <i>Not regulated</i>   |
| · <b>Transport hazard class(es)</b>  |                        |
| · <b>DOT</b>   | <i>Not applicable</i>  |
| · <b>Packing group</b>   |                        |
| · <b>DOT</b>   | <i>Not applicable</i>  |
| · <b>Environmental hazards:</b>  | <i>Not applicable.</i> |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | <i>Not applicable.</i> |

(Contd. on page 8)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 11/29/2017

Reviewed on 11/28/2017

Trade name: Shine - N - Shield For Wheels

(Contd. of page 7)

· UN "Model Regulation":	Not regulated
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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):
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None of the ingredients is listed.
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· Section 313 (Specific toxic chemical listings):
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111-76-2	2-butoxyethanol
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· TSCA (Toxic Substances Control Act):
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111-76-2	2-butoxyethanol
69430-37-1	Aminoalkoxydimethylpolysiloxane (Silicone Fluid)
64-19-7	acetic acid
7732-18-5	water, distilled, conductivity or of similar purity

· TSCA new (21st Century Act) (Substances not listed)
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61791-25-2	Quaternary Amide & Polyoxyethylene Tallow Amine
69430-37-1	Aminoalkoxydimethylpolysiloxane (Silicone Fluid)
	Surfactant Blend (proprietary)

· Proposition 65
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· Chemicals known to cause cancer:
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None of the substances are listed
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· Chemicals known to cause reproductive toxicity for females:
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None of the ingredients is listed.
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· Chemicals known to cause reproductive toxicity for males.
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None of the ingredients is listed.
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· Chemicals known to cause developmental toxicity:
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None of the ingredients is listed.
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· Carcinogenic categories
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· EPA (Environmental Protection Agency)
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111-76-2	2-butoxyethanol	NL
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· TLV (Threshold Limit Value established by ACGIH)
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111-76-2	2-butoxyethanol	A3
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· NIOSH-Ca (National Institute for Occupational Safety and Health)
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None of the ingredients is listed.
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- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms



GHS05

(Contd. on page 9)



# Safety Data Sheet

## acc. to OSHA HCS

Printing date 11/29/2017

Reviewed on 11/28/2017

**Trade name: Shine - N - Shield For Wheels**

(Contd. of page 8)

· **Signal word** *Danger*

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

*Quaternary Amide & Polyoxyethylene Tallow Amine  
acetic acid*

· **Hazard statements**

*Causes skin irritation.*

*Causes serious eye damage.*

· **Precautionary statements**

*P264 Wash thoroughly after handling.*

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

*P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*P310 Immediately call a poison center/doctor.*

*P321 Specific treatment (see on this label).*

*P332+P313 If skin irritation occurs: Get medical advice/attention.*

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

### 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.*

· **Department issuing SDS:** *Environment protection department.*

· **Date of preparation / last revision** *11/29/2017 / -*

· **Abbreviations and acronyms:**

*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)*

*VOC: Volatile Organic Compounds (USA, EU)*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*NIOSH: National Institute for Occupational Safety*

*OSHA: Occupational Safety & Health*

*TLV: Threshold Limit Value*

*PEL: Permissible Exposure Limit*

*REL: Recommended Exposure Limit*

*BEI: Biological Exposure Limit*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*