

Safety Data Sheet

SÖRBO GLIDE™ Glide Friction Reducer

according to OSHA HazCom 2012

Date of issue: 17-November -2020 Revision date: 17-November -2020 Version: 1.0



Section 1 - Product and Company Identification

1.1 Product identifier

Trade Name: SÖRBO GLIDE™ Glide Friction Reducer

Other Name of Identification: Glide Friction Reducer

Product Details:

Product Type: Mixture

Physical State: Liquid

1.2 Recommended use and restrictions on use

Relevant uses Lubricant liquid or Additive for cleaning solution.

Uses advised against: Cleaning purpose use only.

1.3 Details of the supplier of the safety data sheet

Product Manufacturer/Supplier:

Name Sorbo Products

Address: P.O. Box 1312, Palm Desert, CA. 92281

Email: sorbo@sorboproducts.com

Tel: +1 (760) 202-4003

Fax: +1 (760) 202-3003

1.4 Emergency telephone number:

Emergency telephone number: +1 (760) 202-4003 (Business hours)

Section 2 - Hazards Identification

2.1. Classification of the substance or mixture according to GHS

Eye irritation, Category 2 H319

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

2.2. Label elements

Labelling according to GHS

Hazard pictograms:



GHS07

Signal word: Warning

Hazardous ingredients: refer section 3

Hazard statements:

H319-Causes serious eye irritation

H412-Harmful to aquatic life with long lasting effects

Precautionary statements:

P102 Keep out of reach of children.

P103 Read label before use.

P233 Keep container tightly closed.

P262 Do not get in eyes, skin and face.

Safety Data Sheet

SÖRBO GLIDE™ Glide Friction Reducer

according to OSHA HazCom 2012

Date of issue: 17-November -2020 Revision date: 17-November -2020 Version: 1.0



P264 Wash face, hands, and any exposed skin thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/physician.
P302 + P352 IF ON SKIN: Wash with plenty of water with soap
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to an approved landfill/ incineration plant/waste disposal plant.

2.3 Hazards not otherwise classified (HNOC)

None identified

Section 3 - Composition / Information on Ingredients

3.1. Substances: Not applicable

3.2. Mixtures:

Name	Product identifier	Conc (%)	Classification according to GHS
Alkoxylated alcohol	--	1 - 3	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

There are no other ingredients/components with the concentration range present in the mixture, can be considered as hazard as per current knowledge of supplier

*Full text of Hazard statements: see section 16

Section 4 - First Aid Measures

4.1. Description of first aid measures

First-aid General:

Show this safety data sheet to the doctor in attendance. Get immediate medical advice/attention if required/
Call a poison center or a doctor if you feel unwell.

First-aid after inhalation:

Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a physician.

First-aid after skin contact:

Wash skin with plenty of water. Soap may be used. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid after eye contact:

Not likely to occur under normal condition of use. If accidentally on eyes, immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Get medical advice/attention.

First-aid after swallowing:

Not likely to occur under normal condition of use. If accidentally swallow, get immediate medical advice/attention. If professional advice is not available, do not induce vomiting. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects:

Symptoms/effects after inhalation:

May cause respiratory irritation.

Symptoms/effects after skin contact:

May cause skin irritation.

Safety Data Sheet

SÖRBO GLIDE™ Glide Friction Reducer

according to OSHA HazCom 2012

Date of issue: 17-November -2020 Revision date: 17-November -2020 Version: 1.0



Symptoms/effects after eye contact:

May cause eye irritation.

Symptoms/effects after ingestion:

Harmful if swallowed.

4.3. Immediate medical attention and special treatment if needed

Treat symptomatically.

Section 5 - Fire Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:

Water Spray: yes | Foam: Yes | Halon: Yes | Carbon Dioxide: Yes | Dry Chemical: Yes

Unsuitable extinguishing media: None

5.2. Specific hazards developing from the chemical

Product is noncombustible. In case of fire carbon monoxide (CO), carbon dioxide (CO₂), unburned hydrocarbons (smoke) and other irritating gases and vapors may release.

Fire Explosion: None observed

5.3. Special protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire-fighting equipment/instructions:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if you can do so without risk. No action shall be taken involving any personal risk or without suitable training.

Precautions for firefighters:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus (SCBA). Complete protective clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Section 6 - Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General: Avoid contact with eye, face and skin. KEEP OUT OF REACH OF CHILDREN. Protect from slipping if on floor. Use personal protective equipment as required.

For non-emergency personnel:

Keep unnecessary personnel away. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders:

Evacuate unnecessary personnel. See also the information in "For nonemergency personnel". See protective measures under Section 7 and 8.

6.2. Environmental precautions

Avoid release to the environment. Do not discharge into lakes, streams, ponds or public waters.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material such as clay, sand or other suitable non-reactive material and place into a separate waste container. Use personal protective equipment as required

Small Spills: Spilled product may produce a slippery surface in presence of water. Move containers from spill area. Collect spillage.

Safety Data Sheet

SÖRBO GLIDE™ Glide Friction Reducer

according to OSHA HazCom 2012

Date of issue: 17-November -2020 Revision date: 17-November -2020 Version: 1.0



Large Spills: Spilled product may produce a slippery surface in presence of water. Move containers from spill area. Collect spillage.

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

Protective measures:

Ensure good ventilation/exhaustion at the workplace. Use in accordance with good manufacturing and industrial hygiene practices.

Advice on general occupational hygiene:

Do not eat, drink and smoke where this material is handled, stored, and processed. Avoid contacting eyes and face. Keep container closed when not in use.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated and dry place at room temperature. Keep away from acids, base, oxidizing or reducing agent and. Keep away from food, drink, and animal feeding dishes. KEEP OUT OF REACH OF CHILDREN. Keep container closed when not in use.

7.3 Specific end use(s)

Use as directed

Section 8 - Exposure Controls / Personal Protection

8.1. Control parameters:

Occupational exposure limits: No Data Available

Biological exposure Indices (BEI): No Data Available

8.2 Exposure controls

Appropriate engineering controls:

Ensure exposure is below occupational exposure limits (where available). Use personal protective equipment to control the exposure (see section 8). Wash hands before breaks and at the end of workday.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves resistant to the product.

Eye/face protection:

Wear appropriate protective eyeglasses or chemical safety goggles.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Environmental exposure controls:

Prevent product from entering drains.

Safety Data Sheet

SÖRBO GLIDE™ Glide Friction Reducer

according to OSHA HazCom 2012

Date of issue: 17-November -2020 Revision date: 17-November -2020 Version: 1.0



Do not allow material to contaminate ground water system
Collect spillage.

Section 9 - Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	:	Hazy liquid
Physical state	:	Liquid
Color	:	Slight hazy
Odor	:	Characteristic odor
pH	:	No Data Available
pH solution	:	No Data Available
Relative evaporation rate (ether=1)	:	Nil
Melting point	:	No Data Available
Freezing point	:	No Data Available
Boiling point	:	No Data Available
Flash point	:	232.2 °C (450 °F)
Auto-ignition temperature	:	No Data Available
Decomposition temperature	:	No Data Available
Vapor pressure	:	No Data Available
Vapor density	:	No Data Available
Relative density	:	No Data Available
Density	:	1.003
Solubility	:	Soluble in water
Viscosity, kinematic	:	54.5 cST (at 100°C)
Explosive properties:	:	No Explosion Hazard
Lower explosive limit (LEL)	:	Not Applicable
Upper explosive limit (UEL)	:	Not Applicable
Flammability	:	Non Flammable

9.2 Other information

Volatility : Nil

Section 10 - Stability and Reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, flames and sparks, high temperature.

10.5 Incompatible materials

Oxidizing agents, strong acids, and bases.

10.6 Hazardous decomposition products

This product does not decompose under normal conditions.

Section 11 - Toxicological Information

11.1. Information on toxicological effects

Acute toxicity (oral): Not classified.

Acute toxicity (dermal): Not classified.

Acute toxicity (inhalation): Not classified.

Safety Data Sheet

SÖRBO GLIDE™ Glide Friction Reducer

according to OSHA HazCom 2012

Date of issue: 17-November -2020 Revision date: 17-November -2020 Version: 1.0



Toxicology data of components/mixture:	No Data Available
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Causes serious eye irritation
Respiratory or skin sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
STOT-single exposure:	Not classified.
STOT-repeated exposure:	Not classified.
Aspiration hazard:	Not classified.

Section 12 - Ecological Information

12.1 Toxicity

Acute aquatic toxicity: Not classified.

Chronic aquatic toxicity: Harmful to aquatic life with long lasting effects

Ecotoxicity data for components/mixture

No Data Available

12.2 Persistence and degradability

Non persistence and Degradable

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

Section 13 - Disposal Considerations

13.1. Waste treatment methods

Disposal should be in accordance with applicable regional, national, and local laws and regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14 - Transport Information

14.1 UN number:

The Product is not regulated as a dangerous goods for transportation.

14.2 UN proper shipping name:

The Product is not regulated as a dangerous goods for transportation.

Safety Data Sheet

SÖRBO GLIDE™ Glide Friction Reducer

according to OSHA HazCom 2012

Date of issue: 17-November -2020 Revision date: 17-November -2020 Version: 1.0



14.3 Transport hazard class(es):

The Product is not regulated as a dangerous goods for transportation.

14.4 Packaging group:

The Product is not regulated as a dangerous goods for transportation.

14.5 Environmental hazards:

The Product is not regulated as a dangerous goods for transportation.

14.6 Special precautions for user

Keep away from ignition source

Section 15 - Regulatory Information

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

OSHA-Regulations: This safety datasheet complies with the requirements of OSHA HCS (29 CFR 1910.1200(g))

WHMIS classification for product:

See section 2 details

U.S. Federal Regulations:

SARA 313 Components:

No Data Available

SARA 311/312 Hazard Categories

Physical Hazard	Health Hazard
Not Classified	Not Classified

TSCA Components:

All components of this product are listed or are exempt from listing on the Toxic Substances Control Act.

California Proposition 65 components:

No Data Available

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this mixture.

Section 16 - Other Information

Full text of H- and EUH-statements:

H320-Causes eye irritation

H400-Very toxic to aquatic life

H410-Very toxic to aquatic life with long lasting effects

Abbreviations and acronyms:

ADR European agreement concerning the international carriage of dangerous goods by road

BCF Bioconcentration Factor

CAS Chemical Abstracts Service

CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures

DNEL Derived no-effect level

EC Identification code for each substance listed in EINECS

EC50 Concentration of a substance when it is affected 50% of the population

EINECS European Inventory of Existing Commercial Chemical Substances

EmS Emergency plan

EU European Union

IATA International Air Transport Association

IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals

Safety Data Sheet

SÖRBO GLIDE™ Glide Friction Reducer



according to OSHA HazCom 2012

Date of issue: 17-November -2020 Revision date: 17-November -2020 Version: 1.0

ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
IC50	Concentration causing 50% blockade
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PNEC	Predicted no-effect concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and very Bioaccumulative
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	United Nations; Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
WGK	Water Hazard Class
CWA	Clean Air Act
SARA	Superfund Amendments and Reauthorization Act
CAA	Clean Air Act
STOT RE	Specific Target Organ Toxicity - Repeated Exposure
STOT SE	Specific Target Organ Toxicity - Single Exposure
log Kow	Octanol-water partition coefficient

Statement:

The information in this safety data sheet is to the best of our current knowledge true and accurate. It does not represent any guarantee of the properties, data, instructions, recommendations and/or suggestions of the product.

The Employer and User should make their own responsibility for investigations to determine the suitability of the information for their particular purposes. The Company and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

MSDS Creation Date: 17-November-2020