

# SAFETY DATA SHEET



## ACCOSOFT® 501

Version 1.2  
Revision Date: 04/29/2025

Date of last issue: 05/07/2024  
Date of first issue: 09/25/2023

### SECTION 1. IDENTIFICATION

Product name : ACCOSOFT® 501

Product code : 1007760

#### Manufacturer or supplier's details

Company name of supplier : STEPAN US  
Address : 1101 Skokie Blvd, Suite 500  
Northbrook IL 60062  
Telephone : (847) 446-7500  
Emergency telephone Medical 1-800-228-5635 (Available 24 hours a day.  
SDS/Product information may not be  
available for the emergency service.)  
Chemtrec 1-800-424-9300  
Chemtrec Int'l 1-703-527-3887

#### Recommended use of the chemical and restrictions on use

Recommended use : Surfactant  
Restrictions on use : For industrial use only.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids : Category 3

Eye irritation : Category 2B

Short-term (acute) aquatic hazard : Category 1

#### GHS label elements

Hazard pictograms :  

Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.  
H320 Causes eye irritation.  
H400 Very toxic to aquatic life.

Precautionary Statements : **Prevention:**  
P210 Keep away from heat/ sparks/ open flames/ hot surfaces.  
No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equip-

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ment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.

### Response:

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.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P391 Collect spillage.

### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Components

| Chemical name                                                                                                                                 | CAS-No.    | Concentration (% w/w) |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------|
| Poly(oxy-1,2-ethanediyl), .alpha.-[2-[bis(2-aminoethyl)methylammonio]ethyl]-.omega.-hydroxy-, N,N'-ditallow acyl derivs., Me sulfates (salts) | 68410-69-5 | 88 - 90               |
| Isopropanol                                                                                                                                   | 67-63-0    | 10 - 20               |

## SECTION 4. FIRST AID MEASURES

General advice : If you feel unwell, seek medical advice (show the label where possible).  
Show this material safety data sheet to the doctor in attendance.

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.

In case of skin contact : Remove contaminated clothing and shoes.  
Wash off with soap and water.  
Get medical attention if irritation develops and persists.  
Wash contaminated clothing before reuse.

In case of eye contact : In case of eye contact, remove contact lens and rinse

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If swallowed : immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Get medical attention if irritation develops and persists.  
Rinse mouth.  
Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed : Causes eye irritation.

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide, dry powder, foam.  
Fog

Unsuitable extinguishing media : Water spray jet

Specific hazards during fire fighting : Flammable liquid. vapours are heavier than air and may travel to a source of ignition and flash back. Closed containers may rupture violently when heated.  
May form explosive mixtures in air.

Further information : In the event of fire and/or explosion do not breathe fumes.  
In the event of fire, cool tanks with water spray.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
Use clean non-sparking tools to collect absorbed material.  
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.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.

Environmental precautions : Should not be released into the environment.  
Local authorities should be advised if significant spillages cannot be contained.  
Prevent spreading over a wide area (e.g., by containment or oil barriers).  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Non-sparking tools should be used.  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite)

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and transfer to a container for disposal according to local / national regulations (see section 13).  
Clean thoroughly.  
After cleaning, flush away traces with water.  
Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- Technical measures : Ensure that eyewash stations and safety showers are close to the workstation location.
- Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.  
Use explosion-proof equipment.  
Vapors may form explosive mixtures with air.  
Keep away from open flames, hot surfaces and sources of ignition.  
Keep away from direct sunlight.  
No sparking tools should be used.  
No smoking.  
Normal measures for preventive fire protection.
- Advice on safe handling : Wear personal protective equipment.  
For personal protection see section 8.  
Provide sufficient air exchange and/or exhaust in work rooms.  
As a rule, at least 10 air changes per hour are recommended at the workplace.  
Handle and open container with care.  
Keep container closed when not in use.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Use explosion-proof electrical, ventilating and lighting equipment.  
Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity.  
Do not use sparking tools.  
Wash skin thoroughly after handling.
- Conditions for safe storage : Keep in properly labeled containers.  
Store in original container.  
Keep tightly closed.  
Store locked up.  
Keep cool. Protect from sunlight.  
Keep away from sources of ignition - No smoking.  
Keep in an area equipped with sprinklers.  
Take measures to prevent the build up of electrostatic charge.
- Materials to avoid : Store away from incompatible materials (see Section 10 of the SDS).
- Further information on storage stability : No decomposition if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

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| Components  | CAS-No. | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis     |
|-------------|---------|----------------------------------|------------------------------------------------|-----------|
| Isopropanol | 67-63-0 | TWA                              | 200 ppm                                        | ACGIH     |
|             |         | STEL                             | 400 ppm                                        | ACGIH     |
|             |         | ST                               | 500 ppm<br>1,225 mg/m <sup>3</sup>             | NIOSH REL |
|             |         | TWA                              | 400 ppm<br>980 mg/m <sup>3</sup>               | NIOSH REL |
|             |         | TWA                              | 400 ppm<br>980 mg/m <sup>3</sup>               | OSHA Z-1  |
|             |         | TWA                              | 400 ppm<br>980 mg/m <sup>3</sup>               | OSHA P0   |
|             |         | STEL                             | 500 ppm<br>1,225 mg/m <sup>3</sup>             | OSHA P0   |

**Personal protective equipment**

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Remarks : Protective gloves The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Wear safety glasses with side shields or goggles.  
Face-shield

Skin and body protection : Lightweight protective clothing  
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Protective measures : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Hygiene measures : Do not taste or swallow.  
General industrial hygiene practice.  
Remove and wash contaminated clothing and gloves, including the inside, before re-use.  
Wash hands before breaks and immediately after handling the product.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Color : opaque

pH : 5 - 6.5  
Concentration: 10 %  
(50/50 IPA/water)

Pour point : 68 °F / 20 °C

Boiling point/boiling range : 180 °F / 82 °C

Flash point : 86 °F / 30 °C

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Method: Pensky-Martens closed cup

Density : 8.1 lb/gal

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : Stable under recommended storage conditions.  
Conditions to avoid : Temperatures greater than recommended storage temperature.  
Heat, flames and sparks.  
Incompatible materials : Strong oxidizing agents

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Product:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity  
Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The component/mixture is minimally toxic after single contact with skin.

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Product:

Result : Mild skin irritation

#### Serious eye damage/eye irritation

Causes eye irritation.

#### Product:

Result : Mild eye irritation

#### Respiratory or skin sensitization

##### Skin sensitization

Based on available data, the classification criteria are not met.

##### Respiratory sensitization

Based on available data, the classification criteria are not met.

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### **Product:**

Result : Not sensitising

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

### **Product:**

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

### **Carcinogenicity**

Based on available data, the classification criteria are not met.

### **Product:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### **Reproductive toxicity**

Not classified due to lack of data.

### **Product:**

Reproductive toxicity - Assessment : No toxicity to reproduction

### **STOT-single exposure**

Based on available data, the classification criteria are not met.

### **Product:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

### **Product:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### **Repeated dose toxicity**

### **Product:**

Remarks : No data available

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### Aspiration toxicity

Based on available data, the classification criteria are not met.

#### Product:

No aspiration toxicity classification

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish : LC50 (Fish): 0.62 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia): 0.3 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : EC50 (algae): 1.33 mg/l  
plants Exposure time: 72 h

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : No data available

### Persistence and degradability

#### Product:

Biodegradability : Remarks: No data available  
Expected to be inherently biodegradable.

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of contents/ container to an approved waste disposal plant.  
The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

UN number : UN 1993  
Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
(Isopropanol)  
Class : 3  
Packing group : III  
Labels : 3  
Environmentally hazardous : yes

**IATA-DGR**

UN/ID No. : UN 1993  
Proper shipping name : Flammable liquid, n.o.s.  
(Isopropanol)  
Class : 3  
Packing group : III  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355  
Environmentally hazardous : yes

**IMDG-Code**

UN number : UN 1993  
Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
(Isopropanol, Quaternary Ammonium Compounds)  
Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : yes

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation****49 CFR**

UN/ID/NA number : UN 1993  
Proper shipping name : Flammable liquids, n.o.s.

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(Isopropanol)  
Class : 3  
Packing group : III  
Labels : FLAMMABLE LIQUID  
ERG Code : 128  
Marine pollutant : yes(Quaternary Ammonium Compounds)

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Serious eye damage or eye irritation

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

|             |         |                |
|-------------|---------|----------------|
| Isopropanol | 67-63-0 | >= 10 - < 20 % |
|-------------|---------|----------------|

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

|             |         |                |
|-------------|---------|----------------|
| Isopropanol | 67-63-0 | >= 10 - < 20 % |
|-------------|---------|----------------|

### Clean Water Act

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

|                        |           |                |
|------------------------|-----------|----------------|
| sodium hydrogensulfite | 7631-90-5 | >= 0.1 - < 1 % |
| acetaldehyde           | 75-07-0   | >= 0 - < 0.1 % |

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

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|                        |           |                |
|------------------------|-----------|----------------|
| sodium hydrogensulfite | 7631-90-5 | >= 0.1 - < 1 % |
| acetaldehyde           | 75-07-0   | >= 0 - < 0.1 % |

### California Prop. 65

WARNING: This product can expose you to chemicals including 1,4-dioxane, acetaldehyde, which is/are known to the State of California to cause cancer, and methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### California List of Hazardous Substances

|             |         |
|-------------|---------|
| Isopropanol | 67-63-0 |
|-------------|---------|

### California Permissible Exposure Limits for Chemical Contaminants

|             |         |
|-------------|---------|
| Isopropanol | 67-63-0 |
|-------------|---------|

### The ingredients of this product are reported in the following inventories:

|       |                                                                                         |
|-------|-----------------------------------------------------------------------------------------|
| TSCA  | : On the inventory, or in compliance with the inventory                                 |
| AIIC  | : On the inventory, or in compliance with the inventory                                 |
| DSL   | : On the inventory, or in compliance with the inventory                                 |
| IECSC | : All components are listed on the inventory, regulatory obligations/restrictions apply |
| ENCS  | : Not in compliance with the inventory                                                  |
| ISHL  | : Not in compliance with the inventory                                                  |
| NZIoC | : On the inventory, or in compliance with the inventory                                 |
| PICCS | : On the inventory, or in compliance with the inventory                                 |
| TCSI  | : On the inventory, or in compliance with the inventory                                 |

## SECTION 16. OTHER INFORMATION

### Further information

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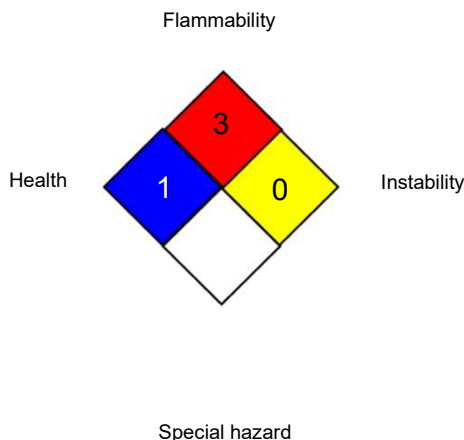


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### NFPA 704:



### HMIS® IV:

|                 |   |   |
|-----------------|---|---|
| HEALTH          | / | 1 |
| FLAMMABILITY    |   | 3 |
| PHYSICAL HAZARD |   | 0 |

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "/" represents a chronic hazard, while the "0" represents the absence of a chronic hazard.

### Full text of other abbreviations

|                 |                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------|
| ACGIH           | : USA. ACGIH Threshold Limit Values (TLV)                                                   |
| NIOSH REL       | : USA. NIOSH Recommended Exposure Limits                                                    |
| OSHA P0         | : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)                        |
| OSHA Z-1        | : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants          |
| ACGIH / TWA     | : 8-hour, time-weighted average                                                             |
| ACGIH / STEL    | : Short-term exposure limit                                                                 |
| NIOSH REL / TWA | : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek |
| NIOSH REL / ST  | : STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday    |
| OSHA P0 / TWA   | : 8-hour time weighted average                                                              |
| OSHA P0 / STEL  | : Short-term exposure limit                                                                 |
| OSHA Z-1 / TWA  | : 8-hour time weighted average                                                              |

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECL - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Pre-

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