

Solar Panel Cleaner 32x Concentrate / SDS

Safety data sheet applies for following codes: 1S-SPHEC, 1S-SPC and 1S-CSPC

Issue Date: 11-Nov-2020



1. IDENTIFICATION

Product Name: **Solar Panel Cleaner 32x Concentrate**
Other means of identification: solar panel cleaner
Recommended use: Cleaning Solar Panels
Prepared by: Safety Department
Source: US Formula Technology / 1000 McFarland 400 Blvd / Alpharetta, GA 30004 USA
Company Phone Number: 770-813-0008 or 800-728-7972 / Fax: 770-813-0470
Emergency Telephone Number (24 Hours): 1-800-535-5053 INFOTRAC (USA) /
International: 001-352-323-3500

2. HAZARDS IDENTIFICATION

Signal word: Warning

Hazard statements
Irritating to skin. Extremely irritating to eyes.



Appearance: Transparent / Colorless
Physical state: Liquid / Odor: mild detergent

Precautionary Statements: **PREVENTION**
Recommend safety glasses whenever splashing is possible.
Recommend waterproof gloves.

Precautionary Statements: **RESPONSE**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Go to Emergency Room doctor/physician if you feel unwell.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air. Go to Emergency Room doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting (aspiration hazard). Go to Emergency Room doctor/physician if you feel unwell.

IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements: **STORAGE**
Keep container tightly closed. Keep out of reach of children.

Precautionary Statements: **DISPOSAL**
Send to sanitary drain line. Do not allow to escape into natural waterways.

Hazards not otherwise classified (HNOC): Not Applicable

Other Information: Considered to have a low order of toxicity

3. COMPOSITION / INFORMATION on INGREDIENTS

Chemical Name	CAS No	Weight-%
Deionized water	7732-18-5	> 60
Alkyl polyglycoside C10-16	110615-47-9	< 5 plant based
Alkyl polyglycoside C8-10	68515-73-1	< 5 plant based
Water softener /chelant	164462-16-2	< 20 biodegradable
Water softener /chelant	51981-21-6	< 20 biodegradable

4. FIRST AID MEASURES

INHALATION: Unlikely. Low toxicity. Remove to fresh air.

EYE CONTACT: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If adverse health effects develop seek medical attention.

INGESTION: Low toxicity. Rinse mouth. DO NOT induce vomiting (aspiration risk). Drink plenty of water. If adverse health effects develop seek medical attention.

SKIN CONTACT: Low toxicity. Wash off with plenty of water.
Take off contaminated clothing and wash before reuse.
If adverse health effects develop seek medical attention.

Note to physicians: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray (fog). Alcohol resistant foam. Dry chemical.
Unsuitable Extinguishing Media: Not determined.

Specific hazards arising from the chemical: Keep containers cool.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use recommended personal protective equipment.

Spills may be slippery. Prevent foot traffic.

Environmental precautions: Do not discharge outside. Do not permit to escape directly into creeks or other natural waterways.

Methods for containment.

Slippery! Prevent further leakage or spillage if safe to do so.

Methods for cleaning up spills: Prevent traffic. Reclaim liquid with wet-vacuum, autoscrubber or mop and bucket. Rinse area with water and dry before permitting traffic.

7. HANDLING AND STORAGE

Precautions for safe handling:

Wash after handling. Do not eat, drink or smoke when using this product.

Use personal protection recommended in Section 8.

Protect product quality by keeping containers tightly closed when not in use, avoid pouring unused material back into original container.

Never use food or beverage containers to measure or transport this product.

Empty containers contain residues and should not be used for food or beverage.

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children and pets. Protect from direct sunlight.

Store at 40-95°F.

Packaging materials: Keep in original container.

Incompatible materials: Bleach, strong acids, materials which react with water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering Controls: Not determined

Appropriate Personal Protective Equipment:

Eye/face protection: Safety glasses recommended if splashing possible

Skin and body protection: Any waterproof gloves, latex, nitrile, etc.

Respiratory protection: Under normal conditions, respirator is not required.

General Hygiene: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

pH	12	Specific gravity	> 1
Melting point/freezing point	Not determined	Water solubility	soluble
Boiling point/boiling range	100 °C / 212 °F	Solubility in other solvents	Not determined
Flash point	above 212 °F	Partition coefficient	Not determined
Evaporation rate	1.0	Autoignition temperature	Not determined
Flammability (solid, gas)	n/a-liquid	Decomposition temperature	Not determined
Flammability limits in air:		Kinematic viscosity	Not determined
Upper flammability limit	Not applicable	Dynamic viscosity	Not determined
Lower flammability limit	Not applicable	Explosive properties	Not determined
Vapor pressure	Not determined	Oxidizing properties	Not determined
Vapor density	Not determined	% volatiles (water only)	> 80%

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions

Chemical stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Incompatible materials. Heat which might compromise packaging.

Incompatible materials: acids, alkalines, caustics, halogens, etc. which react with water

Hazardous Decomposition Products: Carbon oxide gases

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation: Mist irritating, non-fuming

Eye contact: Extremely irritating

Skin Contact: Irritating

Ingestion: Irritating to esophagus

Information on physical, chemical and toxicological effects: please see Section 4.

Contains no known carcinogens, hormone disruptors, bioaccumulatives, formaldehyde, phosphates, NTA, APEOs. Free of VOCs (Volatile Organic Compounds).

12. ENVIRONMENTAL INFORMATION

Contains readily biodegradable plant based ingredients. Do not discharge into natural waterways since most detergents, even biodegradable ones, damage fish gills. Contains no known carcinogens, hormone disruptors, bioaccumulatives or formaldehyde. No NTA, APEOs or phosphates. Free of VOCs (Volatile Organic Compounds).

13. DISPOSAL CONSIDERATIONS

Discharge to "sanitary" drain leading to a sewerage treatment plant. Contains readily biodegradable plant based ingredients. Do not discharge to "storm" drains leading to natural waterways since all detergents, even biodegradable ones, damage fish gills. Dispose of wastes in accordance with applicable regional, national and local laws and regulations. Packaging may be recycled.

14. TRANSPORT INFORMATION

U.S. DOT: Not regulated

IATA: Not regulated

IMDG: Not regulated. Not a dangerous good. Not a marine pollutant.

15. REGULATORY INFORMATION

Domestic (USA) Not regulated. No component listed on any state Right-to-Know list.

All components listed by TSCA

16. OTHER INFORMATION

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.