



# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010

## S1-Protect

Material number S1-Protect

Revision date: 5/6/2024

Version: 1.0

Replaces version: 0.0

Language: en-US

Date of print: 9/26/2024

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## 1. Product and company identification

### Product identifier

Trade name: S1-Protect

### Relevant identified uses of the substance or mixture and uses advised against

General use: Lubricating agent for the printing industry  
Product is designed for industrial use only.

### Details of the supplier of the safety data sheet

Company name: Weitmann & Konrad GmbH & Co. KG  
Street/POB-No.: Friedrich-List-Straße 20-24  
Postal Code, city: 70771 Leinfelden-Echterdingen  
Germany

WWW: [www.weko.net](http://www.weko.net)

E-mail: [service@weko.net](mailto:service@weko.net)

Telephone: +49 (0) 7 11-7 98 80

Telefax: +49 (0) 7 11-7 98 81 14

Department responsible for information:

E-mail: [weko-sicherheit@weko.net](mailto:weko-sicherheit@weko.net)

Telephone: +49-(0)7428-938221

Additional information:

Distributor:  
WEKO North America, Inc. US  
1595 Skylyn Drive, Suite D  
Spartanburg, SC 29307  
USA  
Tel. +1 864 278 8449

### Emergency phone number

+1-800-424-9300 (Chemtrec)

## 2. Hazards identification

### Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid

Color: milky-white

Odor: weak, characteristic

Classification: Eye Irritation - Category 2A.

Hazard symbols:



Signal word: **Warning**

Hazard statements: Causes serious eye irritation.

Precautionary statements:

Wash hands and face thoroughly after handling.

Wear protective gloves/protective clothing/eye protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.



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### Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Hazards not otherwise classified

Following information applies to the component Polydimethylsiloxane:  
Measurements taken at temperatures exceeding 302 °F have revealed that a small quantity of formaldehyde splits off through oxidative decomposition.  
Special danger of slipping by leaking/spilling product.  
see section 11: Toxicological information

## 3. Composition / Information on ingredients

Chemical characterization: Polydimethylsiloxane (4% - 30%) - emulsion in water

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 9043-30-5	Fatalcohol ethoxylate C13 + 6 EO	< 2.5 %	Acute Toxicity - oral - Category 4. Eye Damage - Category 1.

## 4. First aid measures

General information:	If medical advice is needed, have product container or label at hand.
In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.
Following skin contact:	After contact with skin, wash immediately with soap and plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Induce vomiting. Seek medical treatment in case of troubles.

### Most important symptoms/effects, acute and delayed

Causes serious eye irritation. May cause allergic reactions in already sensitized persons.

### Information to physician

Treat symptomatically.

## 5. Fire fighting measures

Flash point/flash point range:

No data available

Auto-ignition temperature: No data available

Suitable extinguishing media:

Use extinguishing material as appropriate for the surrounding area.



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Extinguishing media which must not be used for safety reasons:

Full water jet

### Specific hazards arising from the chemical

May form dangerous gases and vapors in case of fire.

In the event of a fire, the following may be produced when the water evaporates:  
formaldehyde, silicon dioxide, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Use fine water spray to cool endangered containers.

Do not allow water used to extinguish fire to enter drains, ground or waterways.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

## 6. Accidental release measures

Personal precautions:

Provide adequate ventilation. Wear appropriate protective equipment.

Do not breathe mist/vapors/spray. Avoid contact with the substance.

If possible, eliminate leakage.

Keep unprotected people away. Take off contaminated clothing and wash it before reuse.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains.

If necessary notify appropriate authorities.

Methods for clean-up:

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.

Store in special closed containers and dispose of according to ordinance.

Clean contaminated area with soap and water.

Additional information:

Special danger of slipping by leaking/spilling product.

## 7. Handling and storage

### Handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Do not breathe mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.

Have eye wash bottle or eye rinse ready at work place.

### Storage

Requirements for storerooms and containers:

Store containers tightly closed in a cool, dry, well ventilated area at temperatures not below 33.8 °F.

Protect against heat, sun rays and frost.

Store containers in upright position.

Hints on joint storage:

Do not store together with strong oxidizing agents.

Keep away from food, drink and animal feedingstuffs.



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## 8. Exposure controls / personal protection

### Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Wear suitable protective clothing.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: butyl caoutchouc (butyl rubber)-Layer thickness: 0.7 mm

Breakthrough time: 480 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

Use filter type A (= against vapors of organic substances) according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.

General hygiene considerations:

Do not breathe mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

Have eye wash bottle or eye rinse ready at work place.

### Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance: Physical state at 68 °F and 101.3 kPa: liquid

Color: milky-white

Odor: weak, characteristic

Odor threshold: No data available

pH: No data available

Melting point/freezing point: 32 °F (water)

Initial boiling point and boiling range: > 212 °F (water)

Flash point/flash point range: No data available

Evaporation rate: No data available

Flammability: No data available

Explosion limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Density: No data available

Water solubility: at 68 °F: Multimiscible

Partition coefficient: n-octanol/water: No data available



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Auto-ignition temperature: No data available  
Thermal decomposition: > 150°C  
Additional information: No data available

## 10. Stability and reactivity

Reactivity: Refer to subsection "Possibility of hazardous reactions".  
Chemical stability: Stable under recommended storage conditions.  
Possibility of hazardous reactions: No dangerous reactions with proper and specified storage and handling  
Conditions to avoid: Protect against heat, sun rays and frost.  
Incompatible materials: Strong oxidizing agents  
Hazardous decomposition products: No hazardous decomposition products when regulations for storage and handling are observed.  
Thermal decomposition: > 150°C

## 11. Toxicological information

### Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.  
Acute toxicity (oral): Based on available data, the classification criteria are not met.  
ATEmix (calculated): > 2,000 mg/kg  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Lack of data.  
Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Based on available data, the classification criteria are not met.  
Contains Mixture of 5-chloro-2-methyl-2H-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

### Symptoms

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.



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### General remarks

Following information applies to the component Polydimethylsiloxane:  
Measurements taken at temperatures exceeding 302 °F have revealed that a small quantity of formaldehyde splits off through oxidative decomposition.

## 12. Ecological information

### Ecotoxicity

Further details: No data available

### Mobility in soil

No data available

### Persistence and degradability

Further details: Information about Polydimethylsiloxane:  
Siloxanes are removed from water by sedimentation or binding to sewage sludge.

### Additional ecological information

General information: Do not allow to penetrate into soil, waterbodies or drains.

## 13. Disposal considerations

### Product

Recommendation: Send to a hazardous waste incinerator facility under observation of official regulations.

### Package

Waste key number: 15 01 02 = Plastic packaging

Recommendation: Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

## 14. Transport information

### UN number

ADR/RID, IMDG, IATA-DGR:  
not applicable

### UN proper shipping name

ADR/RID, IMDG, IATA-DGR:  
Not restricted

### Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:  
not applicable

### Packing group

ADR/RID, IMDG, IATA-DGR:  
not applicable



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### Environmental hazards

Marine pollutant: no

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

No data available

### USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

### Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

### Air transport (IATA)

Proper shipping name: Not restricted

### Further information

No dangerous good in sense of these transport regulations.

## 15. Regulatory information

### National regulations - U.S. Federal Regulations

Polydimethylsiloxane:

TSCA Inventory: listed; UVCB

Fatalcohol ethoxylate C13 + 6 EO:

TSCA Inventory: listed

2-Methyl-2H-isothiazol-3-one:

TSCA Inventory: listed; EPA flags PMN; SP

5-Chloro-2-methyl-2H-isothiazol-3-one:

TSCA Inventory: listed; EPA flags PMN; SP

### National regulations - U.S. State Regulations

No data available

## 16. Other information

Text for labeling:

Contains < 2.5 % Fatalcohol ethoxylate C13 + 6 EO.

Hazard rating systems:

NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor



HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
X	



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### Abbreviations and acronyms:

Acute Toxicity: Acute toxicity  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
AS/NZS: Australian Standards/New Zealand Standards  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
EC: European Community  
EN: European Standard  
EQ: Excepted quantities  
Eye Damage: Eye damage  
Eye Irritation: Eye irritation  
IATA: International Air Transport Association  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG Code: International Maritime Dangerous Goods Code  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
MFSU: Manufacture, formulation, supply and use  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
TRGS: Technical Rules for Hazardous Substances  
vPvB: Very persistent and very bioaccumulative

Date of first version: 5/6/2024

### Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.