Material Safety Data Sheet

Completed 23-01-2020
SDS version 1.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier
Trade Name: Sterling Spectacle Cleaner Spray
Product- no.: 2525

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended uses:
Provides clean, glossy and anti-static eyeglasses.

Uses advised against:
This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet
Company and address:
Sterling Polish Company A/S
Nybrovej 95
DK-2820 Gentofte
Tlf.: +45 45 87 70 44
www.sterlingpolish.dk

Contact person and E-mail:
Hans Rasmussen, hgr@sterlingpolish.dk

The Safety data sheet is completed and validated by:
mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: DH

1.4. Emergency telephone number
NHS: 111
Use your national or local emergency number - See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
CLP (1272/2008):
Flam. Liq. 3;H226
Eye Irrit. 2;H319
STOT SE 3;H336

See full text of H-phrases in section 16.

2.2. Label elements


Signal word:
Warning

Flammable liquid and vapour. (H226)
Causes serious eye irritation. (H319)
May cause drowsiness or dizziness. (H336)

If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards
The product contains organic solvents. Repeated exposure to organic solvents may cause damage to the central nervous system and internal organs fx. liver and kidney.

Additional labelling:
-

Additional warnings
-

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Propan-2-ol	603-117-00-0 / 01-2119457558-25-xxxx	67-63-0	200-661-7	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336	10-30	1

1) The substance is an organic solvent.

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures
Inhalation:
Seek fresh air.
Keep victim under observation.
Seek medical advice in case of discomfort.

Ingestion:
Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Seek medical advice in case of discomfort.

Skin contact:
Remove contaminated clothing.
Wash skin with soap and water.
Seek medical advice in case of persistent discomfort.

Eye contact:
Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Burns:
Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

Additional information:
When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed
Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

4.3. Indication of any immediate medical attention and special treatment needed
Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Extinguish with powder, foam, carbon dioxide or water mist.
Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture
Flammable liquid and vapour.
Avoid inhalation of vapour and fumes – seek fresh air.
Product decomposes in fire conditions and toxic gases such as COx may be released.
Fire will produce dense black smoke.
Exposure to decomposition products may cause a health hazard.
Use water to cool containers exposed to fire.

5.3. Advice for firefighters
Fire fighters should wear appropriate protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
See section 8 for type of protective equipment.
Avoid static electricity.
Avoid breathing and contact with skin and eyes.

6.2. Environmental precautions
Do not discharge large quantities of concentrated spills and residue into drains.

6.3. Methods and material for containment and cleaning up
Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.
Wipe up minor spills with a cloth.

6.4. Reference to other sections
See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
See section 8 for information about precautions for use and personal protective equipment.
Use the product under well-ventilated conditions.
Running water and eye wash equipment should be available.
Smoking and naked flames prohibited.

7.2. Conditions for safe storage, including any incompatibilities
The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.
Keep in tightly closed original packaging.
Store fireproof. Storage for flammable liquids must follow local regulations for flammable stock.

7.3. Specific end use(s)
See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure limits according to EH40/2005 Workplace exposure limits (Third edition, 2018):

Substance	**Long-term exposure limit ppm / mg/m^3**	**Short-term exposure limit ppm / mg/m^3**	**Note**
Propan-2-ol	400 / 999	500 / 1250	-

DNEL/PNEC-values:
DNEL Propan-2-ol

	Workers	**Consumers**
Inhalation - Chronic Systemic	500 mg/m³	89 mg/m³
Dermal - Chronic Systemic	888 mg/kg bw/day	319 mg/kg bw/day
Oral - Chronic Systemic	-	26 mg/kg bw/day
Oral - Acute Systemic	-	26 mg/kg bw/day

PNEC Propan-2-ol

Fresh water	140,9 mg/L
Intermittent releases (Fresh water)	140,9 mg/L
Marine water	140,9 mg/L
Soil	28 mg/kg soil dw

8.2. Exposure controls
There are no exposure scenarios for this product.

Appropriate engineering controls:
Wear the personal protective equipment specified below.
Wash hands before breaks, before using restroom facilities, and at the end of work.
Do not eat, drink or smoke when using this product.

Personal protective equipment:
Respiratory protection:
Generally not required.
Ved utilstrækkelig ventilation skal der anvendes åndedrætsværn med filter A (EN 136/140/145).

Hand protection:
Generally not required.
Plastic or rubber gloves recommended.

Eye/face protection:
Generally not required.
Wear safety goggles if there is a risk of eye splash.

Skin protection:
Not required.

Environmental exposure controls:
Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	
Physical state:	Liquid
Colour:	-
Odour:	-
Odour threshold:	-
pH:	-
Melting point/ Freezing Point (°C):	-
Initial boiling point and boiling range (°C):	-
Flash point (°C):	Ca. 30
Evaporation rate:	-
Flammability (solid, gas):	-
Upper / lower flammability or explosion limits (vol-%):	-
Vapour pressure:	-
Vapour density (air=1):	-
Relative density:	-
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water:	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
Viscosity:	-
Explosive properties:	-
Oxidising properties:	-

9.2. Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data.

10.2. Chemical stability
The product is stable when used in accordance with the supplier's directions.
Combustible at temperatures above the flash point.

10.3. Possibility of hazardous reactions
Vapours may form explosive mixtures with air.

10.4. Conditions to avoid
Avoid heating and contact with ignition sources.

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
Product decomposes in fire conditions or when heated to high temperatures, and toxic gases such as COx may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:
Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Propan-2-ol	Oral	Rat	LD50	5,84 g/kg bw
Propan-2-ol	Inhalation	Rat	LC50/ 6 Hours	ca. 5000 ppm
Propan-2-ol	Dermal	Rabbit	LD50	16,4 mL/kg bw

Skin corrosion/irritation:
May irritate the skin – may cause reddening.

Serious eye damage/irritation:
Irritating to eyes. Causes a burning sensation and tearing.

Respiratory or skin sensitisation:
Based on the existing data, the classification is not met.

Germ cell mutagenicity:
Based on the existing data, the classification is not met.

Carcinogenicity:
Based on the existing data, the classification is not met.

Reproductive toxicity:
Based on the existing data, the classification is not met.

STOT-single exposure:
May cause drowsiness or dizziness.
The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

STOT-repeated exposure:
Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

Aspiration hazard:
Based on the existing data, the classification is not met.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Propan-2-ol	24 Hours:	Fish	LC50	9640 mg/L
Propan-2-ol	24 Hours:	Daphnia	LC50	> 10000 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Propan-2-ol	Yes	EU Method C.5	5 Days: 53%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
Propan-2-ol	No	0,05

12.4. Mobility in soil
Test data are not available.

12.5. Results of PBT and vPvB assessment
The mixture does not meet the criteria for PBT or vPvB.

12.6. Other adverse effects
None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
The product is covered by the regulations on dangerous waste.
Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
15 02 02	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances
16 05 08	Discarded organic chemicals consisting of or containing hazardous substances

Specific labelling:
-

Contaminated packaging:
Empty packaging must be disposed of through the municipal waste collection service for hazardous waste.

SECTION 14: Transport information

The product is covered by the rules for transport of dangerous goods.

14.1 -14.4.
ADR

UN number:	UN proper shipping name	Transport hazard class(es)	Packing group
1219	ISOPROPANOL	3	II

IMDG

UN number:	UN proper shipping name	Transport hazard class(es)	Packing group
1219	ISOPROPANOL	3	II

14.5. Environmental hazards
-

14.6. Special precautions for user
-

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not relevant.

SECTION 15: Regulatory information

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

Sources:
EH40/2005 Workplace exposure limits (Third edition, 2018).

Additional labelling:
-
Restrictions for application:
Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training.

Demands for specific education:
-

15.2. Chemical safety assessment
None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:
Sources:
EC regulation 1907/2006 (REACH).
EC Regulation 1272/2008 (CLP).
EU regulation no. 276/2010
Directive 2000/532/EC
ECHA-The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Classification according to Regulation (EC) Nr. 1272/2008:

Flam. Liq. 3;H226	On basis of test data
Eye Irrit. 2;H319	Calculation method
STOT SE 3;H336	Calculation method

Abbreviations and acronyms used in the safety data sheet:
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.
CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.
CAS-Number.: Chemical Abstracts Service number.
EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).
DNEL: Derived No Effect Level.
PNEC(s): Predicted No Effect Concentration(s).
STOT: Specific Target Organ Toxicity.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
LC50: Lethal Concentration to 50 % of a test population.
EC50: The effective concentration of substance that causes 50% of the maximum response.
PBT: Persistent, Bioaccumulative and Toxic.
vPvB: Very Persistent and Very Bioaccumulative.
NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.
NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:
1-16

This material safety data sheet replaces version:
1.1