



Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
GHS HCS 2012

Trade name: C-Clear Windshield Cleaner

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

- **1.1 Product identifier**
 - **Trade name:** C-Clear Windshield Cleaner ST-95
 - **Article number:** WL30
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.
- **Application of the substance / the preparation** Concentrated cleaner for automotive glass
- **1.3 Details of the supplier of the Safety Data Sheet**
 - **Manufacturer/Supplier:**

Stearns Packaging Corporation
4200 Sycamore Avenue (53714)
PO Box 3216
Madison, WI 53704-0216
Phone: 800-655-5008
Email: stearns@stearnspkg.com
Website: www.stearnspkg.com
- **1.4 Emergency telephone number:**

ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36/38: Irritating to eyes and skin.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

- **2.2 Label elements**

- **Labeling according to Regulation (EC) No 1272/2008**

H227: Combustible Liquid. (General GHS and USA only)

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.

The product is classified and labeled according to the CLP regulation.

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• **Hazard pictograms**

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• **Signal word** Warning

• **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

• **Precautionary statements**

P280 Wear protective gloves/eye protection/face protection.

P264 Wash hands thoroughly after handling.

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.

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P363 Take off contaminated clothing and wash it before reuse.

P332+P313 If skin irritation occurs: Get medical advice/attention.

3 Composition/information on ingredients

• **3.2 Mixtures**

• **Description:** Mixture of substances listed below with nonhazardous additions.

• **Dangerous components:**

CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3	1-methoxy-2-propanol R10-67 ----- Flam. Liq. 3, H226 STOT SE 3, H336	<3.0%
CAS: 68585-34-2 NLP: 500-223-8	Dodecyl alcohol ethoxylate (1) Sulfate Sodium Salt Xn R22; Xi R36/38 ----- Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	<5.0%
CAS: 1336-21-6 EINECS: 215-647-6	Ammonium Hydroxide Solution C R34; Xn R22; Xi R41; N R50 ----- Skin Corr. 1A, H314; Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302	<2.0%

• **Additional information:** For the wording of the listed risk phrases refer to section 16.

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4 First-aid measures

- **4.1 Description of first aid measures**

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

- **4.2 Most important symptoms and effects, both acute and delayed**

Cramp
Nausea
Thirst

- **Hazards** No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

- **5.1 Extinguishing media**

- **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:** None.

- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

- **5.3 Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

- **Additional information** No further relevant information available.

6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

- **6.2 Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

- **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

- **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.

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7 Handling and storage

• 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

• **Information about fire - and explosion protection:** No special measures required.

• **7.2 Conditions for safe storage, including any incompatibilities**

• **Storage:**

• **Requirements to be met by storerooms and receptacles:** No special requirements.

• **Information about storage in one common storage facility:** Store away from foodstuffs.

• **Further information about storage conditions:** Keep container tightly sealed.

• **7.3 Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

• **Additional information about design of technical facilities:** No further data; see item 7.

• **8.1 Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**

107-98-2 1-methoxy-2-propanol

IOELV (EU)	Short-term value: 568 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Skin
REL (USA)	Short-term value: 540 mg/m ³ , 150 ppm Long-term value: 360 mg/m ³ , 100 ppm
TLV (USA)	Short-term value: 369 mg/m ³ , 100 ppm Long-term value: 184 mg/m ³ , 50 ppm
EL (Canada)	Short-term value: 75 ppm Long-term value: 50 ppm
EV (Canada)	Short-term value: 550 mg/m ³ , 150 ppm Long-term value: 365 mg/m ³ , 100 ppm

• **DNELs** No further relevant information available.

• **PNECs** No further relevant information available.

• **Additional information:** The lists valid during the making were used as basis.

• **8.2 Exposure controls**

• **Personal protective equipment:**

• **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

• **Respiratory protection:** Not required under normal conditions of use.

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• **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

• **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR
Neoprene gloves
Butyl rubber, BR
Natural rubber, NR

• **Eye protection:**



Safety glasses

• **Body protection:**

Not required under normal conditions of use.

Protection may be required for spills.

• **Limitation and supervision of exposure into the environment**

No further relevant information available.

• **Risk management measures**

See Section 7 for additional information.

No further relevant information available.

9 Physical and chemical properties

• **9.1 Information on basic physical and chemical properties**

• **General Information**

• **Appearance:**

Form:

Liquid

Color:

Light blue

• **Odor:**

Ammonia and ether-like

• **Odor threshold:**

Not determined.

• **pH-value at 25 °C:**

11.5 ± 0.5 for concentrate

• **Change in condition**

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

212 °F / 100 °C

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• Flash point:	>218° F (103° C) Product determined not to support sustained combustion.
• Flammability (solid, gaseous):	Not applicable.
• Ignition temperature:	Not determined.
• Decomposition temperature:	Not determined.
• Self-igniting:	Product is not self-igniting.
• Danger of explosion:	Product does not present an explosion hazard.
• Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
• Vapor pressure at 20 °C:	Not determined.
• Density at 20 °C:	1.01 g/cm ³
• Relative density	Not determined.
• Vapor density	Not determined.
• Evaporation rate	Not determined.
• Solubility in / Miscibility with water:	Fully miscible.
• Partition coefficient (n-octanol/water):	Not determined.
• Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
• Solvent content:	
Organic solvents:	11.6 %
Water:	81.6 %
Solids content:	11.0 %
• 9.2 Other information	No further relevant information available.

10 Stability and reactivity

- **10.1 Reactivity** Not determined.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
Toxic fumes may be released if heated above the decomposition point.
Reacts with strong acids and alkali.
Reacts with strong oxidizing agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong oxidizing agents.
- **10.6 Hazardous decomposition products:**
Sulphur oxides (SO_x)
Carbon monoxide and carbon dioxide

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11 Toxicological information

•11.1 Information on toxicological effects

• **Acute toxicity:** >2,000 mg./kg. rat <5,000 mg./kg. rat

• **Primary irritant effect:**

• **on the skin:** Irritant to skin and mucous membranes.

• **on the eye:** Irritating effect.

• **Sensitization:** No sensitizing effects known.

• **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 Ecological information

• **12.1 Toxicity**

• **Aquatic toxicity:** The product contains materials that are harmful to the environment.

• **12.2 Persistence and degradability** The product is biodegradable.

• **12.3 Bioaccumulative potential** No further relevant information available.

• **12.4 Mobility in soil** No further relevant information available.

• **Additional ecological information:**

• **General notes:**

This statement was deduced from the properties of the single components.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

• **12.5 Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

• **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

• **13.1 Waste treatment methods**

• **Recommendation**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

• **Uncleaned packaging:**

• **Recommendation:** Disposal must be made according to official regulations.

• **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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14 Transport information

<ul style="list-style-type: none"> • 14.1 UN-Number • DOT, ADR, ADN, IMDG, IATA 	N/A
<ul style="list-style-type: none"> • 14.2 UN proper shipping name • DOT, ADR, ADN, IMDG, IATA 	Cleaning Compounds, NOI, liquid. Item 48580, Sub 3. Class 55
<ul style="list-style-type: none"> • 14.3 Transport hazard class(es) • DOT, ADR, ADN, IMDG, IATA • Class 	N/A
<ul style="list-style-type: none"> • 14.4 Packing group • DOT, ADR, IMDG, IATA 	N/A
<ul style="list-style-type: none"> • 14.5 Environmental hazards: • Marine pollutant: 	No
<ul style="list-style-type: none"> • 14.6 Special precautions for user 	Not applicable.
<ul style="list-style-type: none"> • 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Cleaning Compounds, NOI, liquid. Item 48580, Sub 3. Class 55
<ul style="list-style-type: none"> • UN "Model Regulation": 	Cleaning Compounds, NOI, liquid. Item 48580, Sub 3. Class 55

15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

• Section 355 (extremely hazardous substances):

None of the ingredients is listed.

• Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

• TSCA (Toxic Substances Control Act):

All ingredients are listed.

• Proposition 65 (California):

• Chemicals known to cause cancer:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

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• **Chemicals known to cause developmental toxicity:**

Ethanol - listing refers specifically to alcoholic beverage consumption and is not applicable for product.

64-17-5	ethanol
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• **Carcinogenic Categories**

• **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

• **IARC (International Agency for Research on Cancer)**

64-17-5	ethanol	1
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• **TLV (Threshold Limit Value established by ACGIH)**

64-17-5	ethanol	A3
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• **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

• **OSHA-Ca (Occupational Safety & Health Administration)**

All ingredients are listed.

• **Canada**

• **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

• **Canadian Ingredient Disclosure list (limit 0.1%)**

64-17-5	ethanol
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• **Canadian Ingredient Disclosure list (limit 1%)**

107-98-2	1-methoxy-2-propanol
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- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• **Relevant phrases**

H225	Highly flammable.
H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic environment.

• **NFPA ratings (scale 0 - 4)**



Health = 2
Fire = 0
Reactivity = 0

SDS File Name: WL30 C-CLEAR Windshield Cleaner SDS

• **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

• **Sources**

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