



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

Trade name: Window Cleaner & Stainless Steel Cleaner



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

- **1.1 Product identifier**
- **Trade name:** Window Cleaner & Stainless Steel Cleaner ST-749
- **Article number:** WK30
- **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** Window Cleaner

Product dilution information: 15 oz. (443 mL) per 2.5 gal. (9.5 L) of water.

- **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	
Product as SOLD	Product at USE DILUTION
 GHS02 Flam. Liq. 3 H226 Flammable liquid and vapour.	Not classified.
 GHS07 STOT SE 3 H336 May cause drowsiness or dizziness.	Not classified.
• Classification according to Directive 67/548/EEC or Directive 1999/45/EC	
R67-10: Vapours may cause drowsiness and dizziness. Flammable.	Not classified.
• Information concerning particular hazards for human and environment:	
The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.	The mixture does not meet the criteria for classification.
• 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.	
• Labeling according to Regulation (EC) No 1272/2008	
The product is classified and labeled according to the CLP regulation.	The mixture does not meet the criteria for classification.



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• 2.2 Label elements	
Product as SOLD	Product at USE DILUTION
• Hazard pictograms	
  GHS02 GHS07	None
• Signal word Warning	None
• Hazard statements	
H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness.	None
• Precautionary statements	
P210 Keep away from open flames and hot surfaces - No smoking P233 Keep container tightly closed. P243 Take precautionary measures against static discharge. P261 Avoid breathing mist/vapours/spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/eye protection. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER/doctor if you feel unwell. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P370+P378 In case of fire: Use water to extinguish. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/container in accordance with local regulations.	Keep out of reach of children.

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	50-60%
	 Flam. Liq. 3, H226	
	 STOT SE 3, H336	
CAS: 68585-34-2 NLP: 500-223-8	Dodecyl alcohol ethoxylate (1) Sulfate Sodium Salt	<3%
	 Xi R36/38  Skin Irrit. 2, H315; Eye Irrit. 2A, H319	

• 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

Product as SOLD	Product at USE DILUTION
• General information: Take affected persons out into the fresh air. • After inhalation: Supply fresh air; consult doctor in case of complaints. • After skin contact: Wash with water and rinse thoroughly. If skin irritation continues, consult a doctor. • After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical attention. • After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.	No special measures required. No special measures required. Treat symptomatically. No known effect after skin contact. 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 attention. Get medical attention if symptoms occur.

• 4.2 Most important symptoms and effects both acute and delayed

Headache Dizziness Disorientation Nausea Cramp	No known effects.
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• Hazards

Danger of convulsion. No further relevant information available.	No known effects.
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• 4.3 Indication of any immediate medical attention and special treatment needed

May produce a narcotic effect. If swallowed, gastric irrigation with added, activated carbon. If necessary oxygen respiration treatment.	Treat symptomatically.
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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

In case of fire, the following can be released:

Carbon monoxide (CO)

• 5.3 Advice for firefighters

• Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

• Additional information

Cool endangered receptacles with water spray.

Use large quantities of foam as it is partially destroyed by the product.

Eliminate all ignition sources if safe to do so.

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6 Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures

Product as SOLD	Product at USE DILUTION
Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation	Use personal protective equipment as required.

• 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.	Avoid contact of large amounts of spilled material and run off with soil and surface waterways.
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• 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Ensure adequate ventilation.	Large Spills: Flush area with water. Prevent entry into waterways. Small Spills: Wipe up with absorbent material.
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• 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.	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

Product as SOLD	Product at USE DILUTION
Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Avoid splashes or spray in enclosed areas.	Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Avoid splashes or spray in enclosed areas.

• Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke. Protect from heat.	No precautions necessary.
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• 7.2 Conditions for safe storage, including any incompatibilities

• Storage:

• Requirements to be met by storerooms and receptacles:

Store in a cool location. Avoid storage near extreme heat, ignition sources or open flame.	No special requirements.
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• Information about storage in one common storage facility:

Store away from foodstuffs. Store away from oxidizing agents.	Store away from foodstuffs. Store away from oxidizing agents.
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• Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.	No storage precautions necessary.
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• 7.3 Specific end use(s)

No further relevant information available.
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8 Exposure controls/personal protection

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

Product as SOLD

Product at USE DILUTION

- **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.

- **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.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes.
Avoid close or long term contact with the skin.

The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes.
Avoid close or long term contact with the skin.

- **Respiratory protection:**

Not required under normal conditions of use.
Use suitable respiratory protective device in case of insufficient ventilation.
Use suitable respiratory protective device when aerosol or mist is formed.
NIOSH approved organic vapor respirator equipped with a dust/mist prefilter should be used.

Not required under normal conditions of use.

- **Protection of hands:**



Protective gloves

No protective equipment is needed under normal conditions.


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Product as SOLD	Product at USE DILUTION
• For the permanent contact gloves made of the following materials are suitable:	
Butyl rubber, BR Neoprene gloves	No protective equipment is needed under normal conditions.
• Eye protection:	
 Safety glasses	No protective equipment is needed under normal conditions.
• Body protection:	
Protective work clothing	No protective equipment is needed under normal conditions.
• Limitation and supervision of exposure into the environment	
No further relevant information available.	No further relevant information available.
• Risk management measures	
See Section 7 for additional information. No further relevant information available.	See Section 7 for additional information. No further relevant information available.

9 Physical and chemical properties

	Product as SOLD	Product at USE DILUTION
• 9.1 Information on basic physical and chemical properties		
• General Information		
• Appearance:		
Form:	Liquid	Liquid
Color:	Light blue	Light blue
• Odor:		
Odor:	Ether-like	Ether-like
• Odor threshold:		
Odor threshold:	Not determined.	Not determined.
• pH-value at 25 °C:		
pH-value at 25 °C:	10 ± 0.5 for concentrate	7.2 - 8.5
• Change in condition		
Melting point/Melting range:		
Melting point/Melting range:	Undetermined.	Undetermined.
Boiling point/Boiling range:		
Boiling point/Boiling range:	Undetermined.	Undetermined.
• Flash point:		
Flash point:	136 °F / 59 °C. Product determined not to support sustained combustion.	Undetermined.
• Flammability (solid, gaseous):		
Flammability (solid, gaseous):	Not applicable.	Not applicable.
• Ignition temperature:		
Ignition temperature:	518 °F / 270 °C	Undetermined.
• Decomposition temperature:		
Decomposition temperature:	Not determined.	Not determined.
• Self-igniting:		
Self-igniting:	Product is not self-igniting.	Product is not self-igniting.
• Danger of explosion:		
Danger of explosion:	Product does not present an explosion hazard.	Product does not present an explosion hazard.
• Explosion limits:		
Lower:		
Lower:	Not determined.	Not determined.
Upper:		
Upper:	Not determined.	Not determined.

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	Product as SOLD	Product at USE DILUTION
• Vapor pressure at 20 °C:	23 hPa	Not determined.
• Density at 20 °C:	0.96 g/cm ³	Not determined. Not determined. Not determined.
• Relative density	Not determined.	
• Vapor density	Not determined.	
• Evaporation rate	Not determined.	
• Solubility in / Miscibility with water:	Fully miscible.	Complete
• Partition coefficient (n-octanol/water):	Not determined.	Not determined.
• Viscosity: Dynamic:	100 mPas	Not determined.
Kinematic:	Not determined.	
• 9.2 Other information	No further relevant information available.	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**
Flammable.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
Used empty containers may contain product gases which form explosive mixtures with air.
Can react violently with oxygen rich (oxidizing) material. Danger of Explosion.
Reacts with strong acids.
- **10.4 Conditions to avoid**
Keep ignition sources away - Do not smoke.
Store away from oxidizing agents.
Keep away from heat and direct sunlight.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

• 11.1 Information on toxicological effects	
Product as SOLD	Product at USE DILUTION
• Acute toxicity: >5,000 mg/kg	Non-toxic at use-dilution.
• Primary irritant effect:	
• on the skin: Slight irritant effect on skin and mucous membranes.	No adverse effects due to skin contact are expected.
• on the eye: Slight irritant effect on eyes.	Direct contact with eyes may cause temporary irritation.
• Sensitization: No sensitizing effects known.	No sensitizing effects known.

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Product as SOLD	Product at USE DILUTION
• Additional toxicological information:	
Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc. At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.	Not classified
• Acute effects (acute toxicity, irritation and corrosivity):	
Vapours have narcotic effect.	Not determined.

12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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	
Product as SOLD	Product at USE DILUTION
• Recommendation	
Smaller quantities can be disposed of with household waste. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
• Uncleaned packaging:	
• Recommendation: Disposal must be made according to official regulations. • Recommended cleansing agents: Water, if necessary together with cleansing agents.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

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14 Transport information

• 14.1 UN-Number	
• DOT, ADR, IMDG, IATA	N/A
• 14.2 proper shipping name	
• DOT	Compound, cleaning, NOI, liquid
• 14.3 Transport hazard class(es)	
• DOT	
	
• Class	N/A
• Label	LTD. QTY.
• 14.4 Packing group	
• DOT, ADR, IMDG, IATA	N/A
• 14.5 Environmental hazards:	
• Marine pollutant:	No
• 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• Transport/Additional information:	
• ADR	
• Limited quantities (LQ)	5L
• Transport category	N/A
• Tunnel restriction code	D/E
• UN "Model Regulation":	Compound, cleaning, NOI, liquid

15 Regulatory information

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

Product as SOLD	Product at USE DILUTION
• Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	Not applicable.
• Section 313 (Specific toxic chemical listings):	
None of the ingredients is listed.	None of the ingredients is listed.
• TSCA (Toxic Substances Control Act):	
All ingredients are listed.	All ingredients are listed.
• Proposition 65 (California):	
• Chemicals known to cause cancer:	
None of the ingredients is listed.	None of the ingredients is listed.

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• Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

None of the ingredients is listed.

• Chemicals known to cause developmental toxicity:

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

64-17-5

ethanol

Not applicable.

• Carcinogenic Categories

• EPA (Environmental Protection Agency)

None of the ingredients is listed.

None of the ingredients is listed.

• IARC (International Agency for Research on Cancer)

64-17-5

ethanol

1

Not applicable.

• TLV (Threshold Limit Value established by ACGIH)

64-17-5

ethanol

A3

Not applicable.

• NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

None of the ingredients is listed.

• OSHA-Ca (Occupational Safety & Health Administration)

All ingredients are listed.

All ingredients are listed.

• Canada

• Canadian Domestic Substances List (DSL)

All ingredients are listed.

All ingredients are listed.

• Canadian Ingredient Disclosure list (limit 0.1%)

64-17-5

ethanol

Not applicable.

• Canadian Ingredient Disclosure list (limit 0.1%)

64-17-5

ethanol

Not applicable.

• Canadian Ingredient Disclosure list (limit 1%)

107-98-2

1-methoxy-2-propanol

Not applicable.

• 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

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

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R10 Flammable.
R36/38 Irritating to eyes and skin.
R67 Vapours may cause drowsiness and dizziness..

SDS File Name: WK10 Window and Stainless Steel Cleaner SDS

NSF Certified: C2, 7/20/04

• **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 Labelling 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**

SDS Prepared by:

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