

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	Not classified.	
Flam. Liq. 3 H226 Flammable liquid and vapour.	Not classified.	
Not classified.		
STOT SE 3 H336 May cause drowsiness or dizziness.	Not classified.	
Classification according to Directive 67/548/EEC or Directive 67/548/EEC	tive 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	
(b) (!)	None
GHS02 GHS07	
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	1-methoxy-2-propanol R10-67	50-60%
Index number: 603-064-00-3	Flam. Liq. 3, H226	
	◆ STOT SE 3, H336	
CAS: 68585-34-2	Dodecyl alcohol ethoxylate (1) Sulfate Sodium Salt	<3%
NLP: 500-223-8	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:	No special measures required.	
Take affected persons out into the fresh air.		
• After inhalation:	No special measures required. Treat symptomatically.	
Supply fresh air; consult doctor in case of complaints.	No longue offert offer alice contact	
After skin contact: Week with water and rings the resumbly.	No known effect after skin contact.	
Wash with water and rinse thoroughly. If skin irritation continues, consult a doctor.		
• After eye contact:	IF IN EVES: Dince cautiously with water for several	
Rinse cautiously with water for several minutes. Remove	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to	
contact lenses if present and easy to do – continue rinsing.	do – continue rinsing. If eye irritation persists get medical	
If eye irritation persists get medical attention.	attention.	
After swallowing:	Get medical attention if symptoms occur.	
Rinse out mouth and then drink plenty of water.	oct modical automatics in Symptomic cocam	
Do not induce vomiting; call for medical help immediately.		
• 4.2 Most important symptoms and effects both acute and	delayed	
Headache	No known effects.	
Dizziness		
Disorientation		
Nausea		
Cramp		
Hazards		
Danger of convulsion.	No known effects.	
No further relevant information available.		
• 4.3 Indication of any immediate medical attention and spe	cial treatment needed	
May produce a narcotic effect.	Treat symptomatically.	
If swallowed, gastric irrigation with added, activated carbon.		
If necessary oxygen respiration treatment.		

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.	
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.	
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.	

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.
• 7.2 Conditions for safe storage, including any incompatib	ilities
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.
• Information about storage in one common storage facility	<i>y</i> :
Store away from foodstuffs. Store away from oxidizing agents.	Store away from foodstuffs. Store away from oxidizing agents.
Further information about storage conditions:	
Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.	No storage precautions necessary.
• 7.3 Specific end use(s)	
No further relevant information available.	

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8 Exposure controls/personal protection

	Product as SOLD	Product at USE DILUTION
8.1 Control para	meters	
Ingredients with	limit values that require monitoring at the	e workplace:
107-98-2 1-m	ethoxy-2-propanol	
IOELV (EU)	Short-term value: 568 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Skin	
REL (USA)	Short-term value: 540 mg/m³, 150 ppm Long-term value: 360 mg/m³, 100 ppm	
TLV (USA)	Short-term value: 369 mg/m³, 100 ppm Long-term value: 184 mg/m³, 50 ppm	
EL (Canada)	Short-term value: 75 ppm Long-term value: 50 ppm	
EV (Canada)	Short-term value: 550 mg/m³, 150 ppm Long-term value: 365 mg/m³, 100 ppm	
PNECs No furthe Additional inforr were used as bas		 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 co		
Personal protecti	ve and hygienic measures:	
The usual precau when handling ch Wash hands befo Do not inhale gas Avoid contact wit	utionary measures are to be adhered to nemicals. ore breaks and at the end of work. ses / fumes / aerosols.	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 prot	ection:	
Use suitable respinsufficient ventila Use suitable respinist is formed.	oiratory protective device when aerosol or organic vapor respirator equipped with a	Not required under normal conditions of use.
Protection of ha	nds:	
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 environme	ent	
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:	Ether-like	Ether-like
Odor threshold:	Not determined.	Not determined.
• pH-value at 25 °C:	10 ± 0.5 for concentrate	7.2 - 8.5
Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. Undetermined.	Undetermined. Undetermined.
• Flash point:	136 °F / 59 °C. Product determined not to support sustained combustion.	Undetermined.
Flammability (solid, gaseous):	Not applicable.	Not applicable.
Ignition temperature:	518 °F / 270 °C	Undetermined.
Decomposition temperature:	Not determined.	Not determined.
Self-igniting:	Product is not self-igniting.	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.	Product does not present an explosion hazard.
• Explosion limits:		
Lower:	Not determined.	
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: Relative density Vapor density Evaporation rate 	0.96 g/cm³ Not determined. Not determined. Not determined.	Not determined. Not determined. Not determined.
Solubility in / Miscibility with water:	Fully miscible.	Complete
Partition coefficient (n-octanol/water):	Not determined.	Not determined.
Viscosity: Dynamic: Kinematic:	100 mPas Not determined.	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.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.	
 Recommended cleansing agents: Water, if necessary together with cleansing agents. 		

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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		
\Diamond		
• 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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	own to cause reproductive toxi	city for fen	
None of the in	gredients is listed.		None of the ingredients is listed.
• Chemicals kn	own to cause reproductive toxi	icity for ma	les:
None of the ingredients is listed.			None of the ingredients is listed.
	own to cause developmental to refers specifically to alcoholic bev		sumption and is not applicable for product.
64-17-5	ethanol		Not applicable.
 Carcinogenic 	Categories		
• EPA (Environ	mental Protection Agency)		
None of the in	gredients is listed.		None of the ingredients is listed.
• IARC (Interna	tional Agency for Research on	Cancer)	
64-17-5	ethanol	1	Not applicable.
• TLV (Thresho	ld Limit Value established by A	CGIH)	
64-17-5	ethanol	A3	Not applicable.
• NIOSH-Ca (Na	ational Institute for Occupationa	al Safetv ar	nd Health)
•	gredients is listed.		None of the ingredients is listed.
• OSHA-Ca (Oc	cupational Safety & Health Adn	ninistratior	 I)
All ingredients are listed.			All ingredients are listed.
• Canada			
	nestic Substances List (DSL)		
 Canadian Dor 			
 Canadian Dor All ingredients 			All ingredients are listed.
All ingredients		%)	All ingredients are listed.
All ingredients	are listed.	%)	All ingredients are listed. Not applicable.
All ingredients • Canadian Ing 64-17-5	are listed. redient Disclosure list (limit 0.1		
All ingredients • Canadian Ing 64-17-5	are listed. redient Disclosure list (limit 0.1) ethanol		
All ingredients Canadian Ingr 64-17-5 Canadian Ingr 64-17-5	redient Disclosure list (limit 0.1) ethanol redient Disclosure list (limit 0.1)	%)	Not applicable.

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.. **Product as SOLD Product at USE DILUTION** Hazardous Material Information System (U.S.A.) Health Health 0 **Flammability** 2 Flammability 0 **Physical hazards** 0 **Physical hazards** 0 4=Very High; 3=High; 2=Moderate; 1=Slight; 0=Insignificant 4=Very High; 3=High; 2=Moderate; 1=Slight; 0=Insignificant • NFPA ratings (scale 0 - 4) Health = 1 Health = 0Fire = 2 Fire = 0Reactivity = 0 Reactivity = 0

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

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