



Safety Data Sheet

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

Trade name: I & I Window Cleaner, Ready to Use

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

• **1.1 Product identifier**

• **Trade name:** I & I Window Cleaner, Ready to Use ST-1252

• **Article number:** WL63

• **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

• **1.3 Details of the supplier of the Safety Data Sheet**

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

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Irrit. 2 H315 Causes skin 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 labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

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• **Classification system:**

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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**

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

• **Hazard pictograms**



GHS07

• **Signal word** Warning

• **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

• **Precautionary statements**

P280 Wear protective gloves / eye protection.

P264 Wash hands thoroughly after handling.

P305+P351+P338+ P337+P313: 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.

P302+P352+P362+P364+ P332+P313: IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. 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: 67-63-0 EINECS: 200-661-7	isopropyl alcohol, 99% anhydrous Xn R36/38 Xi R11 ; Xi R67 ----- Flam. Liq. 2, H225 Eye Irrit. 2A, H319, STOT-SE 3, H335, H336	<3%
CAS: 111-76-2 EINECS: 905-0 Index number: 603-014-00-0	2-Butoxyethanol, EB Solvent Xi R67 R10 ----- Flam. Liq. 4, H227 Eye Irrit. 2A, H319; Skin Irrit. 2, H315; Acute Toxicity, inhalation, dermal, oral, 4, H332, H302, H312	<2%
CAS: 1336-21-6	ammonium hydroxide Xn R36/37/38, R22 ----- Skin Corr. 1C, H314, Eye Dam. 1, H318 Acute Tox, Oral, 4, H302, STOT-SE 3, H335	<1%

• **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 rinse with water.
 If skin irritation continues, consult a doctor.
- **After eye contact:**
 Remove contact lenses if worn.
 Rinse opened eye for several minutes under running water. Then 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
 Coughing
 Allergic reactions
- **Hazards** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
 Treat skin and mucous membrane with antihistamine and corticoid preparations.
 In cases of irritation to the lungs, initial treatment with cortical steroid inhalants.
 Medical supervision for at least 48 hours.
 If swallowed, gastric irrigation.

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**
 Ensure adequate ventilation
 Product forms slippery surface when combined with water.
- **6.2 Environmental precautions:**
 Dilute with plenty of water.
 Do not allow to enter sewers/ surface or ground water.

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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).
 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.

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.
 Protect from freezing.
- **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:**
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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.
 Use suitable respiratory protective device in case of insufficient ventilation.
 Use suitable respiratory protective device when high concentrations are present.

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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.

• **Eye protection:**



Safety glasses

• **Body protection:** None required.

• **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:

Clear blue

• **Odor:**

butyl and ammonia odor

• **Odor threshold:**

Not determined.

• **pH-value at 20 °C:**

10.8 ± 0.5 for concentrate

• **Change in condition**

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

>212 °F / >100 °C

• **Flash point:**

>212 °F / >100 °C

• **Flammability (solid, gaseous):**

Not determined.

• **Ignition temperature:**

Not determined.

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• 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 applicable.
• Density at 20 °C:	0.99 g/cm ³
• Relative density	Not determined.
• Vapor density	Not applicable.
• Evaporation rate	Not applicable.
• Solubility in / Miscibility with water:	Fully miscible.
• Partition coefficient (n-octanol/water):	Not determined.
• Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
• Solvent content:	
Organic solvents:	5.8 %
Water:	94.2 %
• 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.
- **10.5 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:**

Product ingredient name	Result	Species	Dose
Isopropyl alcohol	Oral LD50	Rat	5,840 mg/kg
Ammonium hydroxide	Oral LD50	Rat	350 mg/kg
2-Butoxyethanol, EB Solvent	Oral LD50	Rat	1746 mg/kg

• **Primary irritant effect:**

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

• **on the eye:** Corrosive 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

• 14.1 UN-Number	
• DOT, ADR, ADN, IMDG, IATA	N/A
• 14.2 UN proper shipping name	
• DOT, ADR, ADN, IMDG, IATA	Cleaning Compounds, NOI, liquid.
• 14.3 Transport hazard class(es)	
• DOT	
• Class	N/A
• 14.4 Packing group	
• DOT, ADR, IMDG, IATA	N/A
• 14.5 Environmental hazards:	
• Marine pollutant:	No
• 14.6 Special precautions for user	Not applicable.
• 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• UN "Model Regulation":	Cleaning Compounds, NOI, liquid.

15 Regulatory information

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

• Section 311-312 (hazardous classifications):

2-Butoxyethanol	immediate (acute) health hazard delayed (chronic) health hazard fire hazard
Isopropyl alcohol	immediate (acute) health hazard fire hazard
ammonium hydroxide	immediate (acute) health hazard

• Section 313 (Specific toxic chemical listings):

2-Butoxyethanol (ethylene glycol monobutyl ether) (glycol ether category)

• 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.

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• **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

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

None of the ingredients is listed.

• **Carcinogenic Categories**

• **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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

None of the ingredients is listed.

• **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

• **Canada**

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

All ingredients are listed.

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

None of the ingredients is listed.

• **Canadian Ingredient Disclosure list (limit 1%)**

111-76-2	2-Butoxyethanol
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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 liquid and vapor
H227	Combustible liquid.
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation.
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

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R36/38 Irritating to eyes and skin.

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R10-67 Flammable liquid / Vapors may cause drowsiness and dizziness.

R11 Highly flammable

R37 Irritating to respiratory system

R22 Harmful if swallowed

SDS File Name: WL63 I & I WINDOW CLEANER RTU 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)

LD50: Lethal dose, 50 percent

• **Sources**

SDS Prepared by:

JBE/JER

Revision: 10/12/2017

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