

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: Mark 11
 Synonyms: ST-735, ST-738, ST-740, ST-740E, ST-745, ST-747, ST-2020
 Company: Stearns Packaging Corporation
 4200 Sycamore Avenue (53714)
 PO Box 3216
 Madison, WI 53704-0216
 Phone: 800-655-5008
 Fax: 608-246-5149
 Website: www.stearnspkg.com

Formula ID Number: SL30
 MSDS File Name: MARK 11
 EPA Reg #: 10324-120-3640
 DOT Hazard Class: None
 DOT Shipping Name: Disinfectant, NOI, liquid.
 Item 57100, Sub. 3, Class 85
 NSF Certified: D2, 7/20/04

Concentrate		In Dilution	HAZARD RATING
0	Flammability	0	
2	Health	1	
0	Reactivity	0	
None	Special Hazard	None	
			4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant

Emergency Contact: CHEM-TEL, 800-255-3924

Abbreviation Key: N.A.=Not Applicable,
N.D.=Not Determined

SECTION 2 – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CHEMICAL IDENTIFICATION	CAS NO.	HAZARD	OSHA PEL(ppm)	ACGIH TLV(ppm)	%(Optional)
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	Corrosive			2 - 4
Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	68956-79-6	Corrosive			2 - 4
Ethanol	64-17-5	Flammable	1000 (TWA)	1000 (TWA)	<1

SARA Section 313 Title III Notification Required: No

SECTION 3 – PHYSICAL DATA

Appearance and Odor: Red liquid, fresh scent	Solubility in water: Complete Boiling Point: Over 210°F (over 99°C) Melting Point: N.A. Pour Point: N.D.	Vapor Pressure (mm Hg): N.D. Vapor Density (Air=1): N.D. Evaporation Rate (Butyl acetate=1): N.D. VOC Content: N.D.	pH (Concentrate): 6.0 - 8.0 pH (1:64 Dilution): 7.0 ± 0.5 Specific Gravity: 1.008 Viscosity: 21.72 cs @ 24°C
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SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: Over 210°F Flammable Limits: LEL: N.D. UEL: N.D. Extinguishing Media: Dry chemical, foam, CO ₂ , water fog. Solid water streams may spread burning liquid.	Special Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray. Unusual Fire & Explosion Hazards: Irritating and toxic gases or fumes may be released during a fire.
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SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: <input checked="" type="checkbox"/> Unstable: <input type="checkbox"/> Conditions to Avoid: Heat and strong oxidizing agents. Incompatibility (Materials to Avoid): Strong oxidizing agents (may result in fire), reducing agents, anionic soaps and detergents.	Hazardous Polymerization: May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/> Hazardous Decomposition or By-Products: Carbon monoxide, carbon dioxide, and toxic hydrogen chloride vapors.
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SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus. Signs and Symptoms of Exposure: <u>Ingestion</u> : Ingestion can cause gastrointestinal irritation, nausea, vomiting, and diarrhea and possibly death. Harmful if swallowed. <u>Skin</u> : Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through skin. <u>Inhalation</u> : Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness. Harmful if inhaled. <u>Eyes</u> : Causes burns and may result in permanent injury to eyes including blindness. Medical Conditions Aggravated by Exposure: No data available. Carcinogenicity: IARC Monographs? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NTP? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> OSHA Regulated? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	Emergency and First Aid Procedures: Eyes: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once. Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Inhalation: If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
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SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits. Skin Protection: Use impervious gloves (rubber or neoprene). Wear suitable protective clothing. Eye Protection: Wear chemical goggles. Use face shield if splashing is possible. Respiratory Protection: If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations. Other Precautions: Eye wash fountain and emergency showers are recommended. Keep out of the reach of children.	Steps to be Taken if Material is Spilled or Released: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area.) Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements, or confined areas. Absorb or cover the dry earth, sand, or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. For large spills, dike far ahead of liquid spill for later disposal. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces. Waste Disposal: Comply with all local, state, and federal regulations. Consult your state DNR or the EPA for specific questions. Wastewater should never enter a fresh water body without treatment. Handling and Storage: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. Keep container tightly closed and in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat, or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and ground techniques.
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SECTION 8 – OTHER REGULATORY INFORMATION

State Right-to-Know lists:
 Ethanol 64-17-5 AZ, CA, CAP65R, CT, FL, ID, MA, MN, NJ, PA, RI
 Benzyl Chloride (trace impurity: <10ppm) AZ, CA, CAP65C, FL, IL, MA, MN, NJ, PA

This MSDS data relates only to the material designated and does not relate to its use with any other material or process. The data is believed to be accurate. However, since use conditions vary and are outside our control, Stearns Packaging Corporation makes no warranties, expressed or implied, and assumes no liability for failure to follow directions and safety precautions.

rev. 9/05/08

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **GS Extra-Strength Cleaner Concentrate**
Synonyms: **ST-842, ST-842E, ST-843, ST-844, ST-853, ST-853E**
Company: **Stearns Packaging Corporation
4200 Sycamore Avenue (53714)
PO Box 3216
Madison, WI 53704-0216**
Phone: **800-655-5008**
Fax: **608-246-5149**
Website: **www.stearnspkg.com**

Formula ID Number: **GL62**
MSDS File Name: **GS EXTRA-STR CLNR**
EPA Reg #: **None**
DOT Hazard Class: **None**
DOT Shipping Name: **Compound cleaning, NOI, liquid. Item 48580, Sub 3, Class 55**
NSF Certified: **C1, C2**
Green Seal Certified: **GS-37 2009**

Concentrate		In Dilution	<u>HAZARD RATING</u> 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
0	Flammability	0	
1	Health	0	
0	Reactivity	0	
None	Special Hazard	None	

Emergency Contact: CHEM-TEL, 800-255-3924

Abbreviation Key: N.A.=Not Applicable,
N.D.=Not Determined

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL IDENTITY</u>	<u>CAS NO.</u>	<u>OSHA PEL(ppm)</u>	<u>ACGIH TLV(ppm)</u>	<u>%(Optional)</u>
Water	7732-18-5			
Sodium (C14-16) olefin sulfonate	68439-57-6	N.A.	N.A.	1.0 . 5.0
Alcohol ethoxylate	68991-48-0	N.A.	N.A.	1.0 . 5.0
Sodium carbonate	497-19-8	N.A.	N.A.	1.0 . 5.0
Sodium iminodisuccinate	144538-83-0	N.A.	N.A.	1.0 . 5.0
Sodium gluconate	527-07-1	N.A.	N.A.	1.0 . 5.0
Fragrance	N.A.	N.A.	N.A.	< 1.0

SARA Section 313 Title III Notification Required: No

SECTION 3 – PHYSICAL DATA

Appearance and Odor: Clear, green liquid; fresh scent fragrance added	Solubility in water: Complete Boiling Point: About 100°C, 212°F % Volatile: N.D.	Vapor Pressure of actives (mmHg): <0.1 Vapor Density (Air=1): N.D. Evaporation Rate (Water=0.3): N.D.	pH (Concentrate): 10.5 ± 0.5 pH (Use Dilution): 10.0 Specific Gravity: 1.060
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SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F, °C, PMCC): Non-combustible, >200°F Flammability: Not flammable Extinguishing Media: N.A.	Special Fire Fighting Procedures: Use self-contained breathing apparatus and body-covering protective clothing. Unusual Fire & Explosion Hazards: None
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SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: <u> X </u> Unstable: <u> </u> Conditions to Avoid: Freezing and extremes of heat Incompatibility (Materials to Avoid): None known	Hazardous Polymerization: May Occur <u> </u> Will Not Occur <u> X </u> Hazardous Decomposition or By-Products: None known
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SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): May cause irritation to the eyes, skin, and respiratory system. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.
Signs and Symptoms of Exposure: Irritation of eyes and skin.
Medical Conditions Aggravated by Exposure: Prolonged or repeated exposure can cause drying of skin.
Carcinogenicity: IARC Monographs? Yes No X
NTP? Yes No X OSHA Regulated? Yes No X
NOTE TO PHYSICIAN: No specific antidote. Use supportive care.
Treatment should be based on judgment of physician in response to the reactions of the patient.

Emergency and First Aid Procedures:

FIRST AID/EYES: Immediately flush with warm running water for at least 15 minutes. If irritation persists, repeat flushing and obtain medical attention immediately.
SKIN: Immediately flush exposed area with soap and water. If irritation occurs, obtain medical attention.
INGESTION: **DO NOT INDUCE VOMITING.** If patient is fully conscious, rinse mouth with water and drink 1 glass of water. Obtain medical attention immediately. Never give anything by mouth if victim is unconscious or is convulsing.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: General ventilation usually adequate. Personal Protective Equipment: Wear protective gloves. Wear protective eyewear. Eye bath. Safety shower. Personal Hygiene: The usual precaution for the handling of chemicals must be observed. Respiratory Protection: Not normally required under normal working/use conditions. Other Precautions: Keep out of the reach of children. Improper dilution or improper use of this product may result in skin and eye irritation, damage to surfaces and unsatisfactory cleaning performance.	Steps to be Taken if Material is Spilled or Released: Contain any spilled material that may be salvageable. Wash down residues with water. Dispose of material through a sanitary sewer or as local and federal regulations permit. Waste Disposal: Comply with all local, state and federal regulations. Consult your state DNR or the EPA for specific questions. Wastewater should never enter a fresh water body without treatment. Pack Recycling: Empty packs should be rinsed out with cold water and then placed for recycling where accepted. Handling and Storage: Store at room temperature. Keep container closed when not in use. Do not mix with other chemicals or cleaning agents. Unused Product Disposal: Unused product or its solutions may be poured down the drain. Never pour unused product or its solutions down an outdoor drain.
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SECTION 8 – OTHER REGULATORY INFORMATION

Toxic Substances Control Act (TSCA): All the ingredients are listed on the Chemical Substance Inventory.

rev 3/03/11

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MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **GS Neutral Cleaner Concentrate** Formula ID Number: **GL35**
MSDS File Name: **GS NEUT CLNR CONC**
Synonyms: **ST-845, ST-845E, ST-846, ST-846E, ST-847, ST-848** EPA Reg #: **None**
DOT Hazard Class: **None**
Company: **Stearns Packaging Corporation** DOT Shipping Name: **Compound, cleaning, NOI,**
4200 Sycamore Avenue (53714) liquid. Item **48580, Sub 3, Class 55**
PO Box 3216 NSF Certified: **C1, C2**
Madison, WI 53704-0216 Green Seal Certified: **GS-37 2009**
Phone: **800-655-5008**
Fax: **608-246-5149**
Website: **www.stearnspkg.com**

Concentrate		In Dilution	HAZARD RATING
0	Flammability	0	
1	Health	0	
0	Reactivity	0	
None	Special Hazard	None	
			4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant

Emergency Contact: CHEM-TEL, 800-255-3924

Abbreviation Key: N.A.=Not Applicable,
N.D.=Not Determined

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY	CAS NO.	OSHA PEL(ppm)	ACGIH TLV(ppm)	%(Optional)
Water	7732-18-5			
Alcohol ethoxylate	68991-48-0	N.A.	N.A.	3.0 . 8.0
Sodium gluconate	527-07-1	N.A.	N.A.	3.0 . 5.0
Fragrance	N.A.	N.A.	N.A.	< 1.0
FD&C Yellow No. 5	1934-21-0	N.A.	N.A.	< 0.1
SARA Section 313 Title III Notification Required: No				

SECTION 3 – PHYSICAL DATA

Appearance and Odor: Solubility in water: **Complete** Vapor Pressure of actives (mmHg): **<0.1** pH (Concentrate): **7.5 ± 0.5**
Clear, yellow liquid, Boiling Point: **About 100°C, 212°F** Vapor Density (Air=1): **N.D.** pH (Use Dilution): **7.0**
fresh scent fragrance added % Volatile: **N.D.** Evaporation Rate (Water=0.3): **N.D.** Specific Gravity: **1.030**

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F, °C, PMCC): **Non-combustible, >200°F** Special Fire Fighting Procedures: **Use self-contained breathing apparatus and**
Flammability: **Not flammable** body-covering protective clothing.
Extinguishing Media: **N.A.** Unusual Fire & Explosion Hazards: **None**

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: ☒ Unstable: ☐ Hazardous Polymerization: May Occur ☐ Will Not Occur ☒
Conditions to Avoid: **Freezing and extremes of heat** Hazardous Decomposition or By-Products: **None known**
Incompatibility (Materials to Avoid): **None known**

SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): **May cause irritation to the eyes, skin, and respiratory system. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.**

Signs and Symptoms of Exposure: **Irritation of eyes and skin.**

Medical Conditions Aggravated by Exposure: **Prolonged or repeated exposure can cause drying of skin.**

Carcinogenicity: IARC Monographs? Yes ☐ No ☒

NTP? Yes ☐ No ☒ OSHA Regulated? Yes ☐ No ☒

NOTE TO PHYSICIAN: **No specific antidote. Use supportive care.**

Treatment should be based on judgment of physician in response to the reactions of the patient.

Emergency and First Aid Procedures:

FIRST AID/EYES: Immediately flush with warm running water for at least 15 minutes. If irritation persists, repeat flushing and obtain medical attention immediately.

SKIN: Immediately flush exposed area with soap and water. If irritation occurs, obtain medical attention.

INGESTION: **DO NOT INDUCE VOMITING.** If patient is fully conscious, rinse mouth with water and drink 1 glass of water. Obtain medical attention immediately. Never give anything by mouth if victim is unconscious or is convulsing.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: **General ventilation usually adequate.**

Personal Protective Equipment: **Wear protective gloves. Wear protective eyewear. Eye bath. Safety shower.**

Eye Protection: **Use chemical safety glasses or full face shield.**

Personal Hygiene: **The usual precaution for the handling of chemicals must be observed.**

Respiratory Protection: **Not normally required under normal working/use conditions.**

Other Precautions: **Keep out of the reach of children. Improper dilution or improper use of this product may result in skin and eye irritation, damage to surfaces and unsatisfactory cleaning performance.**

Steps to be Taken if Material is Spilled or Released: **Contain any spilled material that may be salvageable. Wash down residues with water. Dispose of material through a sanitary sewer or as local and federal regulations permit.**

Waste Disposal: **Comply with all local, state and federal regulations. Consult your state DNR or the EPA for specific questions. Wastewater should never enter a fresh water body without treatment. Pack Recycling: Empty packs should be rinsed out with cold water and then placed for recycling where accepted.**

Handling and Storage: **Store at room temperature. Keep container closed when not in use. Do not mix with other chemicals or cleaning agents.**

Unused Product Disposal: **Unused product or its solutions may be poured down the drain. Never pour unused product or its solutions down an outdoor drain.**

SECTION 8 – OTHER REGULATORY INFORMATION

Toxic Substances Control Act (TSCA): **All the ingredients are listed on the Chemical Substance Inventory.**

Toxicity: **Calculated Oral LD50 19,436 mg/kg**

rev 03/29/11

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MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: GS Restroom & Bowl Cleaner Concentrate
Synonyms: ST-851, ST-851E, ST-852
Company: Stearns Packaging Corporation
4200 Sycamore Avenue (53714)
PO Box 3216
Madison, WI 53704-0216
Phone: 800-655-5008
Fax: 608-246-5149
Website: www.stearnspkg.com

Formula ID Number: BL45
MSDS File Name: GS RESTROOM & BOWL
EPA Reg #: None
DOT Hazard Class: None
DOT Shipping Name: Compound, cleaning, NOI,
liquid. Item 48580, Sub 3, Class 55
NSF Certified: C1, C2
Green Seal Certified: GS-37 2009

Concentrate		In Dilution	HAZARD RATING 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
0	Flammability	0	
1	Health	0	
0	Reactivity	0	
None	Special Hazard	None	

Emergency Contact: CHEM-TEL, 800-255-3924

Abbreviation Key: N.A.=Not Applicable,
N.D.=Not Determined

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTIFICATION	CAS NO.	OSHA PEL(ppm)	ACGIH TLV(ppm)	%(Optional)
Water	7732-18-5			
Organic acid salt NJTSR No. 000418-01	Trade Secret	N.A.	N.A.	4 - 12
Alcohol ethoxylates	68991-48-0	N.A.	N.A.	2 - 6
Fragrance	N.A.			
Polyoxyalkylene colorant	N.A.			
SARA Section 313 Title III Notification Required: No				

SECTION 3 – PHYSICAL DATA

Appearance and Odor:	Solubility in water: Complete	Vapor Pressure (mm Hg): N.A.	pH (Concentrate): 0.75 ± 0.1
Purple liquid,	Boiling Point: >212° F	Vapor Density (Air=1): N.A.	pH (Use Dilution): 2.2 ± 0.2
fresh scent fragrance added	Melting Point: N.D.	Evaporation Rate (Water=0.3): N.A.	Specific Gravity: 1.024

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.A.	Special Fire Fighting Procedures: Use full protective clothing and self-contained breathing apparatus.
Flammable Limits LEL: N.A. UEL: N.A.	Unusual Fire & Explosion Hazards: None.
Extinguishing Media: N.A.	

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: <input checked="" type="checkbox"/> Unstable: _____	Hazardous Polymerization: May Occur _____ Will Not Occur <input checked="" type="checkbox"/>
Conditions to Avoid: Freezing and extreme heat.	Hazardous Decomposition or By-Products: None known.
Incompatibility (Materials to Avoid): Metal nitrates.	

SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): Irritation of exposed tissues, especially eyes, skin, throat, nasal cavities, and other mucous membranes.

Signs and Symptoms of Exposure: Irritation of eyes and skin. Diarrhea. Irritation of mucous membranes.

Medical Conditions Aggravated by Exposure: N.D.

Carcinogenicity: IARC Monographs? Yes _____ No ☒

NTP? Yes _____ No ☒ OSHA Regulated? Yes _____ No ☒

Emergency and First Aid Procedures:

FIRST AID/EYES: Immediately flush with warm running water for at least 15 minutes. If irritation persists, repeat flushing and obtain medical attention immediately.

SKIN: Immediately flush exposed area with soap and water. If irritation occurs, obtain medical attention.

INGESTION: DO NOT INDUCE VOMITING. If patient is fully conscious, rinse mouth with water and drink 1 glass of water. Obtain medical attention immediately. Never give anything by mouth if victim is unconscious or is convulsing.

NOTE TO PHYSICIAN: No specific antidote. Use supportive care.
Treatment should be based on judgment of physician in response to the reactions of the patient.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: Local Exhaust: Not normally required.
Mechanical: Not normally required.

Personal Protective Equipment: Wear protective gloves. Wear protective eyewear. Eye bath. Safety shower.

Eye Protection: Avoid eye contact.

Respiratory Protection: In general, respirators are not needed if the product is used in a well-ventilated area.

Other Precautions: Keep out of the reach of children. Improper dilution or improper use of this product may result in skin and eye irritation, damage to surfaces and unsatisfactory cleaning performance.

Steps to be Taken if Material is Spilled or Released: Contain any spilled material that may be salvageable. Wash down residues with water. Dispose of material through a sanitary sewer or as local and federal regulations permit.

Waste Disposal: Comply with all local, state and federal regulations. Consult your state DNR or the EPA for specific questions. Wastewater should never enter a fresh water body without treatment. Spread and/or disperse in an approved landfill. Dissolve and pour down sanitary sewer. Pack Recycling: Empty packs should be rinsed out with cold water and then placed for recycling where accepted.

Handling and Storage: Wear recommended safety gear. Do not mix with other chemicals or cleaning agents.

Unused Product Disposal: Unused product or its solutions may be poured down the drain. Never pour unused product or its solutions down an outdoor drain.

SECTION 8 – OTHER REGULATORY INFORMATION

Proposition 65 Statement: This product does not contain any compounds found by the State of California to cause cancer, birth defects, and other reproductive harm.

TSCA (Toxic Substance Control Act) Status: Components of this product are listed on the TSCA Inventory.

Toxicity: Calculated Oral LD50 14,188 mg/kg

rev 03/29/11

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MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: GS Window Cleaner Concentrate Formula ID Number: WL35
Synonyms: ST-720, ST-840, ST-840E, ST-841 MSDS File Name: GS WINDOW CLNR
Company: Stearns Packaging Corporation EPA Reg #: None
4200 Sycamore Avenue (53714) DOT Hazard Class: None
PO Box 3216 DOT Shipping Name: Compound cleaning, NOI,
Madison, WI 53704-0216 liquid. Item 48580, Sub 3, Class 55
Phone: 800-655-5008 NSF Certified: A7, C1
Fax: 608-246-5149 Green Seal Certified: GS-37 2009
Website: www.stearnspkg.com

Concentrate		In Dilution	HAZARD RATING
0	Flammability	0	
1	Health	0	
0	Reactivity	0	
None	Special Hazard	None	
			4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant

Emergency Contact: CHEM-TEL, 800-255-3924

Abbreviation Key: N.A.=Not Applicable,
N.D.=Not Determined

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY	CAS NO.	OSHA PEL(ppm)	ACGIH TLV(ppm)	%(Optional)
Water	7732-18-5			
Surfactant	N.J. Trade Secret Registry #: 360416-01	N.D.	N.D.	2.5 . 6.5
Complexing agent	N.J. Trade Secret Registry #: 361102-02	N.D.	N.D.	1.5 . 5.0
Citric acid	77-92-9	N.A.	N.A.	< 1.0
Isothiazolinone preservative	2682-20-4			< 0.1

SARA Section 313 Title III Notification Required: No

SECTION 3 – PHYSICAL DATA

Appearance and Odor:	Solubility in water: Complete	Vapor Pressure of actives (mmHg): <0.1	pH (Concentrate): 8.5 ± 0.5
Clear blue liquid,	Boiling Point: 212°F	Vapor Density (Air=1): N.D.	pH (Use Dilution): 7.5 ± 0.5
mild odor, no fragrance added	% Volatile: 0	Evaporation Rate (Water=0.3): N.D.	Specific Gravity: 1.020

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F, °C, PMCC): None	Special Fire Fighting Procedures: Directing a solid stream of water into a hot burning liquid can cause frothing and spread the fire. Use self-contained breathing apparatus and body-covering protective clothing.
Flammability: Not flammable	Unusual Fire & Explosion Hazards: None
Extinguishing Media: Water fog, alcohol foam, dry chemical	

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: <input checked="" type="checkbox"/> Unstable: <input type="checkbox"/>	Hazardous Polymerization: May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>
Conditions to Avoid: Strong oxidizers and freezing.	Hazardous Decomposition or By-Products: Thermal decomposition may produce oxides of carbon and nitrogen.
Incompatibility (Materials to Avoid): Strong oxidizers.	

SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): Contact with liquid can cause mild to moderate irritation to the eyes and skin. If ingested, it may cause vomiting, headache, and medical problems.	<u>Emergency and First Aid Procedures:</u>
Signs and Symptoms of Exposure: Irritation of eyes and skin.	FIRST AID/EYES: Immediately flush with warm running water for at least 15 minutes. If irritation persists, repeat flushing and obtain medical attention immediately.
Medical Conditions Aggravated by Exposure: Prolonged or repeated exposure can cause drying of skin.	SKIN: Immediately flush exposed area with soap and water. If irritation occurs, obtain medical attention.
Carcinogenicity: IARC Monographs? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	INGESTION: DO NOT INDUCE VOMITING. If patient is fully conscious, rinse mouth with water and drink 1 glass of water. Obtain medical attention immediately. Never give anything by mouth if victim is unconscious or is convulsing.
NTP? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> OSHA Regulated? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
NOTE TO PHYSICIAN: No specific antidote. Use supportive care.	
Treatment should be based on judgment of physician in response to the reactions of the patient.	

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: General ventilation usually adequate.	Steps to be Taken if Material is Spilled or Released: Evacuate area. Ventilate area. Clean up remaining materials from spill with suitable absorbent. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in steel drums for recovery or disposal. Clean area as appropriate since some material, even in small quantities, may present a slip hazard.
Personal Protective Equipment: Wear protective gloves. Wear protective eyewear. Eye bath. Safety shower.	Waste Disposal: Comply with all local, state and federal regulations. Consult your state DNR or the EPA for specific questions. Wastewater should never enter a fresh water body without treatment. Pack Recycling: Empty packs should be rinsed out with cold water and then placed for recycling where accepted.
Eye Protection: Use chemical safety glasses or full face shield.	Handling and Storage: Store in a cool, dry place away from incompatible materials. Keep from freezing.
Personal Hygiene: The usual precaution for the handling of chemicals must be observed.	Unused Product Disposal: Unused product or its solutions may be poured down the drain. Never pour unused product or its solutions down an outdoor drain.
Respiratory Protection: Not normally required if good ventilation is maintained.	
Other Precautions: Keep out of the reach of children. Improper dilution or improper use of this product may result in skin and eye irritation, damage to surfaces and unsatisfactory cleaning performance.	

SECTION 8 – OTHER REGULATORY INFORMATION

Toxic Substances Control Act (TSCA): All the ingredients are listed on the Chemical Substance Inventory.
Toxicity: Calculated Oral LD50 29,411 mg/kg

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This MSDS data relates only to the material designated and does not relate to its use with any other material or process. The data is believed to be accurate. However, since use conditions vary and are outside our control, Stearns Packaging Corporation makes no warranties, expressed or implied, and assumes no liability for failure to follow directions and safety precautions.