

# Safety Data Sheet

CRYSTAL CLEAR

SDS Revision Date:

09/02/2015



Sid Harvey item 3's F1-90 & F1-905

SDS # Z0036

## 1. Identification

### 1.1. Product identifier

**Product Identity** Crystal Clear  
**Alternate Names** F1-90

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use** See Technical Data Sheet.  
**Application Method** See Technical Data Sheet.

### 1.3. Details of the supplier of the safety data sheet

**Company Name** ComStar International Inc.  
20-45 128th Street,  
College Point, NY 11356  
**Telephone No.** 718-445-7900  
800-328-0142  
Fax: 718-353-5998

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

Skin Irrit. 2;H315 Causes skin irritation

### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Warning**

#### [Prevention]:

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P271 Use only outdoors or in a well-ventilated area.

#### [Response]:

P312 : Call a POISON CENTER or doctor / physician if you feel unwell.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

#### [Storage]:

No GHS storage statements

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## [Disposal]:

No GHS disposal statements

## 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
SOLIUM SILICATE LIQUID CAS#: 1344-09-8	>40	Skin Irrit. 2 Eye Irrit. 2	[1][2]
POTASSIUM HYDROXIDE (LIQUID) CAS#: 1310-58-3	<5	Acute Tox. 4 (Oral) H302 Skin Corr. 1A H314 Eye Dam. 1 H318	[1][2]
SODIUM GLUCONATE CAS#: 527-07-1	>10	Not Classified	[1]
Water CAS#: N/A	Balance	Not Classified	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

## 4. First aid measures

### 4.1. Description of first aid measures

#### General

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

#### Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

#### Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

#### Skin

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

#### Ingestion

If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Overview

No specific symptom data available.  
See section 2 for further details.

#### Inhalation

Harmful if inhaled.

## 5. Fire-fighting measures

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## 5.1. Extinguishing media

Water fog, CO2, dry chemical, universal foams

## 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Avoid breathing dust / fume / gas / mist / vapors / spray.

## 5.3. Advice for fire-fighters

Wear self-contained breathing apparatus and protective clothing.

ERG Guide No. ---

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

For Large Spills: Flush spill area with water spray. Prevent run-off from entering drains, sewers, or streams, collect run-off.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Wash thoroughly after handling. Do not breathe vapors or fumes.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials, alkalis and acids. Store away from heat, sunlight and moisture.

See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Oxidizing agents, alkali metals

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
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1344-09-8	SODIUM SILICATE LIQUID	OSHA	2 mg/m3
		ACGIH	2 mg/m3
		NIOSH	No Established Limit
		Supplier	No Established Limit
1310-58-3	POTASSIUM HYDROXIDE (LIQUID)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
527-07-1	SODIUM GLUCONATE	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
N/A	Water	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

## Carcinogen Data

CAS No.	Ingredient	Source	Value
1344-09-8	SODIUM SILICATE LIQUID	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
1310-58-3	POTASSIUM HYDROXIDE (LIQUID)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
527-07-1	SODIUM GLUCONATE	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
N/A	Water	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

## 8.2. Exposure controls

### Respiratory

If engineering controls do not maintain airborne concentrations to an acceptable level, a NIOSH approved respirator must be worn.

Respirator Type: Organic vapor. If respirators are used, a program should be instituted to assure Compliance with OSHA Standard 29 CFR 1910.134.

### Eyes

Safety glasses with side shields, goggles or face shield are recommended.

### Skin

Wear overalls to keep skin contact to a minimum.

### Engineering Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed

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systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, evaporation from large surfaces, spraying, heating, etc. Recommended Decontamination Facilities: Eye bath, washing facilities.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

<b>Appearance</b>	Blue Liquid
<b>Odor</b>	Butyl odor
<b>Odor threshold</b>	Not Measured
<b>pH</b>	Not Measured
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	370 F/188 C
<b>Flash Point</b>	None
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> 135C(275F): NA <b>Upper Explosive Limit:</b> 199C(390F): NA
<b>Vapor pressure (Pa)</b>	6 mmHg (at 70 F)
<b>Vapor Density</b>	Not Measured
<b>Specific Gravity</b>	> 2 (H2O = 1)
<b>Solubility in Water</b>	Complete
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	(ASTM D 2155): NA
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	25C/77F: NA
<b>Volatiles (% by weight)</b>	NA
<b>Octanol/Water Partition Coefficient</b>	NA

### 9.2. Other information

No other relevant information.

## 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

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## 10.4. Conditions to avoid

No data available.

## 10.5. Incompatible materials

Strong Oxidizers

## 10.6. Hazardous decomposition products

No hazardous decomposition data available.

## 11. Toxicological information

### Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
SODIUM SILICATE LIQUID (1344-09-8)	1960mg/kg	>5000 mg/kg	>2.06 g/m <sup>3</sup>	No data available	No data available
POTASSIUM HYDROXIDE (LIQUID) (1310-58-3)	333 mg/kg (Rat)	No data available	No data available	No data available	No data available
SODIUM GLUCONATE (527-07-1)	No data available	No data available	No data available	No data available	No data available
Water (N/A)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

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No additional information provided for this product. See Section 3 for chemical specific data.

## Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
SODIUM SILICATE LIQUID (1344-09-8)	1108 mg/l	1700 mg/l	0.042 mg/L
POTASSIUM HYDROXIDE (LIQUID) (1310-58-3)	> 28.6 mg/l	Not Available	Not Available
SODIUM GLUCONATE (527-07-1)	Not Available	Not Available	Not Available
Water (N/A)	Not Available	Not Available	Not Available

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

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## 15. Regulatory information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act ( TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>WHMIS Classification</b>	Not Regulated
<b>US EPA Tier II Hazards</b>	<b>Fire:</b> No <b>Sudden Release of Pressure:</b> No <b>Reactive:</b> No <b>Immediate (Acute):</b> No <b>Delayed (Chronic):</b> No

### EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA 313 Extremely Hazardous:

POTASSIUM HYDROXIDE (LIQUID)

### Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### New Jersey RTK Substances (>1%):

POTASSIUM HYDROXIDE (LIQUID)

### Pennsylvania RTK Substances (>1%):

POTASSIUM HYDROXIDE (LIQUID)

## 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.



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**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.

End of Document



## MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication  
And WHIMS Standard 29 CFR 1910-1200

Print Date: 01/16/08

**Product Name: SID HARVEY CRYSTAL CLEAR Product Number: F1-90**

### I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer:** ComStar International Inc. **Tel:** 718-445-7900, 800-328-0142

**Address:** 20-45 128<sup>th</sup> Street, College Point, NY 11356 **Fax:** 718-353-5998

**Chemical Name:** Blended Formula

**Synonym(s):** None

### II - INGREDIENTS/IDENTITY INFORMATION

<u>HAZARDOUS COMPONENTS</u> (Specific Chemical Identity)	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>CAS NO.</u>
SODIUM HYDROXIDE	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	1310-73-1
SODIUM GLUCONATE	50 ppm	50 ppm	527-07-01
SODIUM SILICATE	50 ppm	50 ppm	1344-09-8
SODIUM CARBONATE	50 ppm	50 ppm	497-19-8

### III - HAZARDS IDENTIFICATION

NFPA Hazard Ratings: Health – 1, Flammability – 0, Chemical Reactivity – 0

HMIS Hazard Ratings: Fire – 0, Health – 1, Reactivity – 0, Specific – 0

**NOTE:** NFPA and HMIS ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

### IV - FIRST-AID MEASURES

**Inhalation:** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

**Skin:** Remove contaminated clothing, wash affected skin with soap and water immediately. Get medical attention if symptoms occur.

**Ingestion:** Drink plenty of water. Get immediate medical attention.

### V - FIRE FIGHTING MEASURES

**Flash Point (° F):** NONE **Flammability Limit:** N/A **LET** N/A **UEL** N/A

**Extinguishing Media:** All types are acceptable

**Special Fire Fighting Procedures:** Self-contained respiratory protection should be provided for firemen fighting in buildings or confined areas.

**Hazardous Combustion Products:** Unknown

**Unusual Fire and Exposure Hazards:** NONE

## VI - ACCIDENTAL RELEASE MEASURES

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

**For Large Spills:** Flush spill area with water spray. Prevent run-off from entering drains, sewers, or streams, collect run-off.

## VII - HANDLING AND STORAGE

**Personal Precautionary Measures:** Avoid contact with eyes and skin. Wash thoroughly after handling. Do not breathe vapors or fumes.

**Prevention of Fire and Explosion:** Keep from contact with oxidizing materials, alkalis and acids. Store away from heat, sunlight and moisture.

## VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits:

**ACGIH Threshold Limit Value (TLV):** see section II

**OSHA (USA) Permissible Exposure Limit (PEL):** see section II

**Ventilation:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, evaporation from large surfaces, spraying, heating, etc.

**Respiratory Protection:** If engineering controls do not maintain airborne concentrations to an acceptable level, a NIOSH approved respirator must be worn.

**Respirator Type:** Organic vapor. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

**Eye Protection:** Wear safety glasses with side shields (or goggles) and a face shield.

**Skin Protection:** It is a good industrial hygiene practice to minimize skin contact.

**Recommended Decontamination Facilities:** eye bath, washing facilities

## IX - PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point (° F):** 280 ° F Approx.

**Vapor Pressure @ 70 ° F:** N/A

**Vapor Density (Air = 1):** N/A

**Solubility in Water:** Yes

**Appearance & Odor:**

**Odor Threshold:** not available

**Volatile Fraction by Weight:** N/A

**Viscosity at 25° C (77° F):** N/A

**Octanol/ Water Partition Coefficient:** N/A

**Auto ignition Temperature (ASTM D 2155):** N/A

**Specific Gravity (H<sub>2</sub>O = 1):** 1.30 / 1.70 @ 20 c

**Melting Point:** Over 800 ° F

**Evaporation Rate:**

(Butyl Acetate = 1): N/A

## X - STABILITY AND REACTIVITY

**Stability:** Product is considered stable.

**Conditions to Avoid:** See below

**Incompatibility (Material to avoid):** Strong alkalis, acids and oxidizing agents

**Hazardous Decomposition or Products:** Burning can produce carbon monoxide and/or carbon dioxide.

**Hazardous Polymerization:** Will not occur

**Conditions to Avoid:** See below

## XI - TOXICOLOGICAL INFORMATION

**Inhalation:** Low hazard for usual industrial handling by trained personnel.

**Eyes:** Causes irritation and possible chemical burns.

**Skin:** Low hazard for usual industrial handling by trained personnel, see label warnings.

**Ingestion:** Dangerous if ingested.

**Acute Toxicity Data:**

**Oral LD-50 (rabbit):** not available

**Inhalation LC-50:** not available

## XII - ECOLOGICAL INFORMATION

**Introduction:** Leaks should be stopped. Spills should be contained and cleaned up immediately. Large liquid spills should be removed by using a vacuum truck. Solid spills should be scooped up and placed in approved containers for disposal. The spill area should then be flushed with water followed by liberal covering of sodium bicarbonate. All clean-up material should be removed and placed in approved containers, labeled and stored in a safe place to await proper treatment or disposal. Spills on areas other than pavement, e.g., dirt or sand, may be handled by removing the affected soils and placing in approved containers. Persons performing clean-up work should wear adequate personal protective equipment and clothing. Spills or releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

## XIII - DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Check with state and local officials before disposal.

## XIV - TRANSPORT INFORMATION

**DOT (USA) Status:** not regulated

**TDG (Canada) Status:** not regulated

**Air – International Civil Aviation Organization (ICAO)**

**ICAO Status:** Check with air freight forwarder for ruling.

**Sea – International Maritime Dangerous Goods (IMDG)**

**IMDG Status:** not regulated

## XV - REGULATORY INFORMATION

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 910.1200.

OSHA hazardous chemical(s): trade secret (blended formula).

Massachusetts Substance List: none.

New Jersey Workplace Hazardous Substance List: none

Pennsylvania Hazardous Substance List: none

This document has been prepared in accordance with the MSDS requirements of the WHMIS Controlled Products Regulation.

**WHMIS (Canada) Ingredient Disclosure List:** trade secret (blended formula).

**WHMIS (Canada) Status:** not listed.

**WHMIS (Canada) controlled material(s):** not listed.

**WHMIS (Canada) Hazard Classification:** not classified.

**Carcinogenicity Classification (components present at 0.1% or more):** None

**International Agency for Research on Cancer (IARC):** Not listed

**American Conference of Governmental Industrial Hygienist (ACGIH):** Not listed

**National Toxicology Program (NTP):** not listed

**Occupational Safety and Health Administration (OSHA):** Not listed

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund

Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: None.

SARA (U.S.A.) Sections 311 and 312 hazard classification(s): Not listed.

**NOTE:** *The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.*