(ComStar)

SDS Revision Date:

04/02/2015

Sid Harvey item # F1-32

SDS # Z0130

#### 1. Identification

1.1. Product identifier

Product Identity A/C EVAPORATOR COIL CLEANER

Alternate Names F1-32

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

Intended useSee Technical Data Sheet.Application MethodSee 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 May cause skin irritation

#### 2.2. Label elements

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



[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.



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

[Storage]:

No GHS storage statements

[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
SODIUM GLUCONATE CAS#: 527-07-1	>10	Not Classified	[1]
SODIUM SULFITE CAS#: 7757-83-7	<10	Skin Irrit. 2 H315 Eye Irrit. 2A H319	[2]
DIPROPYLENE GLYCOL MONOETHYL ETHER CAS#: 324590-94-8	>15	Carc: 2;H351 Aquatic Chronic 2;H411	[1][2]
SURFACTANT PACKAGE (proprietary)	>10	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.

#### 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.

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek **Eyes** 

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.

<sup>[1]</sup> Substance classified with a health or environmental hazard.

<sup>[2]</sup> Substance with a workplace exposure limit.

<sup>[3]</sup> PBT-substance or vPvB-substance.
\*The full texts of the phrases are shown in Section 16.

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#### 5. Fire-fighting measures

#### 5.1. Extinguishing media

Water fog, C02, 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.

Preventation 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.

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#### 8. Exposure controls and personal protection

#### 8.1. Control parameters

#### **Exposure**

CAS No.	Ingredient	Source	Value
527-07-1 SODIUM GLUCONATE	OSHA	No Established Limit	
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
7757-83-7	SODIUM SULFITE	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
324590-94-8	324590-94-8 DIPROPYLENE GLYCOL MONOETHYL	OSHA	No Established Limit
ETHER	ACGIH	100 ppm	
	NIOSH	TWA 100 ppm ST 150 ppm	
	Supplier	No Established Limit	
Not est SURFACTANT PACKAGE (pro	SURFACTANT PACKAGE (proprietary)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
			No Established Limit

#### Carcinogen Data

CAS No.	Ingredient	Source	Value
527-07-1 SODIUM GLUCONATE		OSHA	Select Carcinogen: No
	NTP	Known: No; Suspected: No	
		IARC	Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
7757-83-7	SODIUM SULFITE	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;	
0324590-94-8 DIPROPYLENE GLYCOL MONOETHYL ETHER	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;	
Not est SURFACTANT PACKAGE (proprietary)	SURFACTANT PACKAGE (proprietary)	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.

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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 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

None

**Appearance** Green Liquid Odor Butyl odor Odor threshold Not Measured pН Not Measured Melting point / freezing point Not Measured Initial boiling point and boiling range 370 F/188 C Flash Point

Evaporation rate (Ether = 1) Not Measured Flammability (solid, gas) Not Applicable

Upper/lower flammability or explosive limits Lower Explosive Limit: 135C(275F): NA

Upper Explosive Limit: 199C(390F): NA

Vapor pressure (Pa) 6 mmHg (at 70 F) Vapor Density Not Measured **Specific Gravity** > 2 (H20 = 1)Solubility in Water Complete Partition coefficient n-octanol/water (Log Kow) Not Measured Auto-ignition temperature (ASTM D 2155): NA

**Decomposition temperature** Not Measured Viscosity (cSt) 25C/77F: NA

Volatiles (% by weight) NA Octanol/Water Partition Coefficient NA

9.2. Other information

No other relevant information.



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#### 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.

#### 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 GLUCONATE (527-07-1)	No data available	No data available	No data available	No data available	No data available
SODIUM SULFITE (7757-83-7)	2610 mg/kg	> 2000 mg/kg	5.50, Rat	No data available	No data available
DIPROPYLENE GLYCOL MONOETHYL ETHER (324590-94-8)	3,500.00, Rat	19,000.00 Rabbit -	No data available	No data available	No data available
SURFACTANT PACKAGE (proprietary) (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

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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

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 GLUCONATE (527-07-1)	Not Available	Not Available	Not Available
SODIUM SULFITE (7757-83-7)	460.00, Mospuito Fish	440.00, Daphnia magna	Not Available
DIPROPYLENE GLYCOL MONOETHYL ETHER (324590-94-8)	10,000.00, Pimephales Promelas	1,919.00, Daphnia magna	969.00 (72 hr)
SURFACTANT PACKAGE (proprietary) (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



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**DOT (Domestic Surface** 

Transportation)

IMO / IMDG (Ocean Transportation)

ICAO/IATA

14.1. UN number

Not Applicable Not Regulated

Not Regulated Not Regulated

Not Applicable

Not Regulated Not Regulated

14.2. UN proper shipping

name

14.3. Transport hazard

**DOT Hazard Class: Not** 

**IMDG:** Not Applicable

Air Class: Not Applicable

class(es)

Applicable

Sub Class: Not Applicable

Not Applicable

14.4. Packing group

Not Applicable

14.5. Environmental hazards

**IMDG** Marine Pollutant: No

14.6. Special precautions for user

No further information

#### 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected

regulations are represented.

**Toxic Substance** Control Act (TSCA)

Inventory.

**WHMIS Classification** 

Not Regulated

**US EPA Tier II Hazards** 

Fire: No

All components of this material are either listed or exempt from listing on the TSCA

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): No Delayed (Chronic): 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:**

DIPROPYLENE GLYCOL MONOETHYL ETHER

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

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



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#### **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%):**

DIPROPYLENE GLYCOL MONOETHYL ETHER

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

DIPROPYLENE GLYCOL MONOETHYL ETHER

#### 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.

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** 

## NOTICE

The following part number has multiple MSDS sheets attached to it:

## Item#: F1-32

Hurri-Clean Clear-Coil AC Evaporator and Condenser Coil Cleaner

# Production or Purchase Date: prior to 1999

Use MSDS Item: F1-32REC

Production or Purchase Date: after 1999

Use MSDS Item: F1-32COM

**Print Date: 01/16/08** 

Product Name: SID HARVEY HURRI-CLEAN Product Number: F1-32

**CLEAR-COIL** 

#### 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 - COMPOSITION/INFORMATION ON INGREDIENTS				
COMPONENTS	OSHA PEL	ACGIH TLV	CAS NO.	
SODIUM GLUCONATE	N/A	N/A	527-07-01	
SODIUM SULFITE	N/A	N/A	7757-83-7	
2 BUTOXYETHANOL	50 PPM (skin)	25 PPM (skin)	111-76-2	
DIPROPYLENE GLYCOL	N/A	100 PPM	0324590-94-8	
MONOETHYL ETHER				

#### III - HAZARDS IDENTIFICATION

HMIS Hazard Ratings: Health -1, Flammability -0, Chemical Reactivity -0 NFPA Hazard Ratings: Health -1, Flammability -0, Chemical Reactivity -0

**NOTE:** HMIS and NFPA 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

**Extinguishing Media:** Water, CO2, Universal type foams, dry chemical

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: Unknown

Unusual Fire and Exposure Hazards: None known. Keep product cool.

#### 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

Color: green
Odor: Slight odor

Odor Threshold: not available Specific Gravity (H20 = 1): .95

Vapor Pressure at 70° F: .6 mm Hg

Vapor Density (Air = 1): 4.9

Evaporation Rate (n-butyl acetate = 1): 0.08

Volatile Fraction by Weight: N/A

Boiling Point: 370° F Melting Point: N/A

Viscosity at 25° C (77° F): N/A

Solubility in Water: Soluble

Octanol/ Water Partition Coefficient: not available

Flash Point (° F): 220° F

Lower Explosive Limit 135° C (275° F): N/A Upper Explosive Limit 199° C (390° F): N/A Auto ignition Temperature (ASTM D 2155): N/A

#### X - STABILITY AND REACTIVITY

Stability: Product is considered stable.

**Incompatibility:** strong oxidizing agents, alkalis and acids **Hazardous Polymerization:** not known to polymerize.

#### 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

**Human Dermal Exposure:** Regardless of concentration, the severity of damage and extent of its irreversibility increases with length of contact time. Prolonged contact with sodium hydroxide solutions of =>1% can cause a high degree of tissue destruction. The latent period, following skin contact during which no sensation of irritation occurs, varies from several hours for 0.4 - 4% solutions of 3 minutes with concentrations of 25% or greater.

#### 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).

Material(s) known to the State of California to cause cancer: none

Material(s) known to the State of California to cause adverse reproductive effects: none

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.