Safety Data Sheet CHILL CLEAN EF AEROSOL

Supercedes Date Not applicable

Issuing Date 01/13/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CHILL CLEAN EF AEROSOL
Recommended use Cleaner
Information on Manufacturer
CHEMSEARCH FE DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 12056910
Chemical nature No information available
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless - Light yellow

Physical state liquid

Odor Ammonia

GHS Classification

Physical Hazards
Gases under pressure — Compressed Gas

Health Hazard

Other hazards
None

Labeling
Signal Word
WARNING

Hazard statements
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P251 - Pressurized container: Do not pierce or burn, even after use
P410 + P403 - Protect from sunlight. Store in a well -ventilated place
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
Petroleum gases, liquified, sweetened	68476-86-8	3-7
Propylene glycol monomethyl ether	107-98-2	1-5
AMMONIA SOLUTION	1336-21-6	0.1-1

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes and clothing.
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
Inhalation Move to fresh air. Get medical attention if symptoms occur.
Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash
Method No data available
Upper: 13.8
Lower: 1.6

Suitable Extinguishing Media

Carbon dioxide (CO2). Dry chemical. Water spray. Foam. Use extinguishing measures that are appr opriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

No information available.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure -demand, NOHSC (approved or equivalent) and full protective gear.

Aerosol Level (NFPA 30B) - 1

NFPA	**Health** 1	**Flammability** 4	**Instability** 0
HMIS	**Health** 1	**Flammability** 4	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Material can create slippery conditions.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment Contain spillage, soak up with non -combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors, mist or gas.

Storage Keep containers tightly closed in a dry, cool and well -ventilated place. Store in original container. Keep away from heat and sources of ignition.

Storage Temperature	**Minimum**	35 °F / 2 °C		**Maximum**	120 °F / 49 °C		
Storage Conditions	**Indoor**	X	**Outdoor**	**Heated**		**Refrigerated**	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Propylene glycol monomethyl ether	TWA: 50 ppm STEL: 100 ppm	No data available	STEL 150 ppm STEL 540 mg/m^3 TWA: 100 ppm TWA: 360 mg/m^3

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side -shields.

Skin Protection Wear suitable protective clothing, Impervious gloves.

Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In case of insufficient ventilation wear suitable respiratory equipment.

General Hygiene Considerations Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re -use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid	**Viscosity**	No information available
Color	Colorless - Light yellow	**Odor**	Ammonia
Odor Threshold	Not applicable	**Appearance**	No information available.
pH	11.3	**Specific Gravity**	1.001
Evaporation Rate	No information available	**Percent Volatile (Volume)**	No information available
VOC Content (%)	7.6	**VOC Content (g/L)**	76
Vapor Pressure	No information available	**Vapor Density**	No information available
Solubility	No information available.	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	> 212 °F / 100 °C	**Flammability (solid, gas)**	No data available
Flash Point	Does not flash	**Method**	No data available
Autoignition Temperature	No information available.		

Upper: 13.8 **Lower:** 1.6

10. STABILITY AND REACTIVITY

Chemical Stability	No information available.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition.
Incompatible Products	Strong bases, Strong acids.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon monoxide, Carbon dioxide (CO2), Thermal decomposition can lead to release of toxic or irritating gases and vapors.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available
Principle Route of Exposure	Inhalation.
Primary Routes of Entry	Inhalation, Eye contact, Skin contact.
Acute Effects:	
Eyes	May cause slight irritation.
Skin	May cause slight irritation.
Inhalation	Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity	Repeated and prolonged exposure to solvents may cause brain and nervous system damage.
Target Organ Effects	Respiratory system, Skin, Central nervous system, Eyes.
Aggravated Medical Conditions	Skin disorders, Neurological disorders, Respiratory disorders.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Propylene glycol monomethyl ether 107-98-2	= 5000 mg/kg (Rat)	= 13 g/kg (Rabbit)	> 6 mg/L (Rat) 4 h	no data available	no data available
AMMONIA SOLUTION 1336-21-6	= 350 mg/kg (Rat)	no data available	no data available	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Propylene glycol monomethyl ether 107-98-2	no data available	no data available	no data available	no data available	Skin Central nervous system Eyes Respiratory system

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Petroleum gases, liquified, sweetened	No information available.	No information available.	No information available	No information available.	2.8
Propylene glycol monomethyl ether	No information available.	LC50 = 20.8 g/L Pimephales promelas 96 h	No information available	23300: 48 h Daphnia magna mg/L EC50	-0.437
AMMONIA SOLUTION	No information available.	LC50 = 8.2 mg/L Pimephales promelas 96 h	No information available	0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50	N/A

Persistence and Degradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.

Container Disposal Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name	CONSUMER COMMODITY
Hazard Class	ORM-D
Description	CONSUMER COMMODITY, ORM-D

TDG

Proper shipping name	AEROSOLS, NON-FLAMMABLE
Hazard Class	2.2
UN-No	UN1950
Description	UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, LTD QTY

ICAO

UN-No	UN1950
Proper Shipping Name	AEROSOLS, NON-FLAMMABLE
Hazard Class	2.2
Shipping Description	UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, LTD QTY

IATA

UN-No	UN1950
Proper Shipping Name	AEROSOLS, NON-FLAMMABLE
Hazard Class	2.2
Shipping Description	UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, LTD QTY

IMDG/IMO

Proper Shipping Name	AEROSOLS, NON-FLAMMABLE
Hazard Class	2.2
UN-No	UN1950
Description	UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, LTD QTY

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Component	CAS No.	Weight % *	SARA 313 - Threshold Values
AMMONIA SOLUTION	1336-21-6	0.1-1	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	Yes	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
AMMONIA SOLUTION	1000 lb	Not applicable

16. OTHER INFORMATION

Prepared By	Samantha Purvis
Supercedes Date	Not applicable
Issuing Date	01/13/2016
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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