

# Safety Data Sheet: FREE-FLOW LIQUID PLUS

Supersedes Date: 01/20/2017

Issuing Date: 04/18/2022

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** FREE-FLOW LIQUID PLUS  
**Recommended use** Flow improver Use in drains  
**Information on Manufacturer**  
CHEMSEARCH FE DIV. OF NCH CORP.  
BOX 152170  
IRVING, TX 75015

**Product Code:** 0741  
**Chemical nature** bacteria suspension  
**Emergency Telephone**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Cream - Tan

**Physical state** Liquid

**Odor** Citrus

### GHS

#### Classification

##### Physical Hazards

None

##### Health Hazard

None

##### Other hazards

None

### Labeling

#### Signal Word

Not classified

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Bacillus species	68920-42-3	<0.1

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

## 4. FIRST AID MEASURES

### General advice

No hazards which require special first aid measures.

### Eye Contact

Immediate medical attention is not required.

### Skin Contact

Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

### Inhalation

Immediate medical attention is not required.

### Ingestion

Immediate medical attention is not required.

### Notes to physician

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Flash Point** Does not flash

**Method** Not applicable

**Flammability Limits in Air %:** Not applicable.

**Upper:** No data available

**Lower:** No data available

### Suitable Extinguishing Media

Water spray. Foam. Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO2). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Specific hazards arising from the chemical

Material can create slippery conditions.

### 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.

**NFPA** Health 0

**Flammability** 0

**Instability** 0

**HMIS -** Health 0

**Flammability** 0

**Physical Hazard** 0

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

### Environmental precautions

No special environmental precautions required.

### 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. Avoid breathing vapors or mists.  
**Storage** Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not freeze.

**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** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Eye/Face Protection** Safety glasses with side-shields.

**Skin Protection** For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

**Respiratory Protection** 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

<b>Physical state</b>	Liquid	<b>Viscosity</b>	Non viscous - Slight viscous
<b>Color</b>	Cream - Tan	<b>Odor</b>	Citrus
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Opaque
<b>pH</b>	9	<b>Specific Gravity</b>	1.03
<b>Evaporation Rate</b>	0.55 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	93.2
<b>VOC Content (%)</b>	0.4	<b>VOC Content (g/L)</b>	4
<b>Vapor pressure</b>	16.8 mmHg @ 70°F	<b>Vapor Density</b>	0.6 (Air = 1.0)
<b>Solubility</b>	Moderately soluble	<b>n-Octanol/Water Partition</b>	No data available
<b>Melting Point/Range</b>	No data available	<b>Decomposition Temperature</b>	No data available
<b>Boiling Point/Range</b>	> 212 °F / 100 °C	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	Does not flash	<b>Method</b>	Not applicable
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %:</b>	Not applicable	<b>Upper:</b>	No data available
		<b>Lower:</b>	No data available

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable. Hazardous polymerization does not occur.

**Conditions to Avoid** Extremes of temperature and direct sunlight. Do not freeze.

**Incompatible Products** Chlorine-based bleaching agents, Acids, Bases, Disinfectant, Oxidizing agents.

**Decomposition Temperature** No data available

**Hazardous Decomposition Products** Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Sodium oxides, Sulfur oxides, Hydrogen chloride gas.

**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

**Oral LD50** No information available  
**Dermal LD50** No information available  
**Inhalation LC50**

**Gas** No information available  
**Mist** No information available  
**Vapor** No information available

**Principle Route of Exposure** Skin contact, Eye contact, Inhalation.

**Primary Routes of Entry** None known.

**Acute Effects:**

**Eyes**  
**Skin**

Low hazard for usual industrial or commercial handling.  
 While the bacteria in this product are nonpathogenic, contact with open sores or cuts can cause opportunistic infections in immuno-suppressed individuals.

**Inhalation**  
**Ingestion**

Low hazard for usual industrial or commercial handling.  
 Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic Toxicity**

No information available.

**Target Organ Effects:**

None known.

**Aggravated Medical Conditions**

None known.

## Component Information

<b>Acute Toxicity</b>	None known
<b>Chronic Toxicity</b>	None known
<b>Carcinogenicity</b>	There are no known carcinogens in this product.

### 12. ECOLOGICAL INFORMATION

Product Information No information available.

Additional Ecological Information: No information available

Component Information No information available.

**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** Empty containers should be taken for local recycling, recovery, or waste disposal.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

### 15. REGULATORY INFORMATION

**Inventories**

**TSCA** Listed

**DSL / NDSL** One or more components are not listed

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

See Section 2

**CERCLA** None

### 16. OTHER INFORMATION

**Prepared By** Adrienne McKee

**Supersedes Date:** 01/20/2017

**Issuing Date:** 04/18/2022

**Reason for Revision** No information available.

**Glossary** No information available.

**List of References.** No information available.

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