

1. Identification of the Substance/Mixture and of the Company/ Undertaking

Product Name: Free Flo 34
Product Code:
Company Name: Randall Industries, LLC
4565 Hemlock Road
Cherry Tree, PA 15724

Phone: 814-743-6630
Emergency: 1-800-535-5053

Proper Shipping Name: Not Regulated
Identification No: Not Applicable
Hazard Class: Not Applicable
Generic Description: Scale Dissolving Compound

2. Hazards Identification

2.1 Classification of the substance or mixture

GHS US Classification

Skin Irritant 2 H315
Eye Irritant 2B H320

2.2 Label elements



Signal Word :Warning

Hazard Statements: H315 Causes Skin Irritation
H319 Causes Eye Irritation

Precautionary Statements: P264 Wash exposed skin thoroughly after handling
P280 Wear protective gloves, eye protection, protective clothing
P301 +P330 +P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353 – IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse Skin with water/shower
P310 Immediately call a POISON CENTER/ doctor
P363 Wash contaminated clothing before reuse
P501 Dispose of contents/container to comply with local, state and federal regulations

3 Composition / Information on Ingredients

Ingredient	CAS No	%
Water	7732-18-5	to 100%
Hydrogen Chloride	7647-01-0	less than 10%
Corrosion Inhibitors	proprietary	less than 10 %
Triphenyl menthane	78-51-3	less than 1%

4 First Aid Measures

4.1 Description of first aid measures

First – aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First - aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISION CENTER or doctor/physician.
First - aid measures after skin contact	: Remove/Take off immediately contaminated clothing. Rinse skin with water/shower. Immediately call a POISION CENTER or doctor/physician.
First - aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISION CENTER or doctor/physician.
First - aid measures after ingestion	: Rinse mouth. DO NOT induce vomiting. Immediately call a POISION CENTER or doctor/physician

5 Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon Dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not flammable
Explosion hazard	: Not applicable
Reactivity	: Thermal decomposition generates: Corrosive vapors

5.3. Advice for firefighters

Firefighting Instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Not applicable
Flash Point	: None

6 Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Try to stop release. Dike and contain spill
6.1.1. For non-emergency personnel	
Protective equipment	: Gloves. Safety glasses. Protective clothing. Face-shield
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Expose controls and personal protection.

7 Handling and Storage

7.1. Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breath mist, vapors, spray.
Hygiene measures : Wash exposed skin thoroughly after handling. Wash contaminated before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with the applicable regulations.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from: incompatible materials. Keep container closed when not in use.
Incompatible products : Metals, cyanides. Strong bases. Strong acids.
Incompatible materials : Direct Sunlight
Packaging materials : Do not store in corrodible metal.

7.3. Specific and use(s)

No additional information available

8 Exposure Control and Personal Protection

8.1. Control parameters

8.2 Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available of any potential exposure.
Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Wear protective gloves.
Eye protection : Proper eye protection is recommended
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : Wear appropriate mask if exposure limits are exceeded.
Other information : Do not eat, drink or smoke during use.

9 Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State : Liquid
Color : Clear
Odor : slight
pH : ≤0.5
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Vapor pressure : No data available
Relative vapor density : No data available
Density : 1-1.1
Solubility : Soluble in water.

Viscosity, dynamic : water like
Oxidising properties : None

9.2. Other information

No additional information available

10 Stability and Reactivity

10.1. Reactivity

Thermal decomposition generates: Corrosive vapors

10.2. Chemical stability

Stable under normal conditions: Not established

10.3. Possibility of hazardous reactions

Reacts violently with (some) bases: release of heat.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Metals, cyanides. Strong bases.

10.6. Hazardous decomposition products

Hydrogen Chloride. Thermal decomposition generates: Corrosive vapors.

11 Toxicological Information

Acute toxicity : Not classified

Hydrochloric Acid 37% w/w(7457-01-0)

LD50 Oral Rat	700 mg/kg	Not toxic
LD50 dermal rabbit	5010 mg/kg	Not toxic

Water (7732-18-5)

LD50 oral rat	≥ 90000 mg/kg
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Skin corrosion/irritation

: Causes irritation of the skin and eyes.

pH ≤ 0.5

Respiratory or skin sensitisation

: Not classified

Germ cell mutagenicity

: Not classified based on available data, the classification criteria are not met.

Carcinogenicity

: IARC Group 3

Hydrochloric Acid, 37% w/w (7647-01-0)

IARC Group	3
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Reproductive toxicity

: Not classified based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

: Not classified

Specific target organ toxicity (repeat exposure)

: Not classified based on available data, the classification criteria are not met.

Aspiration hazard

: Not classified based on available data, the classification criteria are not met.

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation : Possible inflammation of the respiratory tract.
Symptoms/injuries after skin contact : Causes irritation of the skin
Symptoms/injuries after eye contact : Causes serious irritation to the eye
Symptoms/injuries after ingestion : Nausea. Vomiting. Irritation of the gastric/intestinal mucosa. Diarrhea.
Chronic symptoms : Affection/discoloration of the teeth.

12 Ecological Information

Bioaccumulative potential : Low potential for bioaccumulation

13 Disposal Information

Dispose of in accordance with national and local ordinances.

14 Transport Information

Transportation Regulation: 49 CFR (USA):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IMDG (Vessel):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

15 Regulatory Information

16 Other Information

HMI III Rating

Health : 1
Flammability : 0
Physical : 1

Personal Protection : C

9-7-17
