



REVOLUTION

A Revolutionary All Purpose Cleaner

Our newest revolutionary product, is a non-corrosive and safe all purpose cleaner. **Revolution** can satisfy most of your cleaning needs, from floor cleaning to bathrooms. It is fast drying and streak free. Removes even the toughest soils. Permanently and safely eliminates odors.

FEATURES & BENEFITS

- **NON-REGULATED PER D.O.T.**
- **NON-CORROSIVE**
- **MULTI-PURPOSE**
- **FAST RINSING**
- **CLEANS AND BRIGHTENS METAL, GLASS AND PAINT**
- **FAST DRYING**
- **EASY RINSING**
- **DEODORIZES**
- **BIODEGRADABLE AND ENVIRONMENTALLY SAFE**
- **PHOPHATE FREE**

DILUTION RATIOS

Product Use

Recommended Application

Carpet Cleaning	1:20 to 1:40 or 3-6 oz. per gallon of water
Floor Cleaning	1:20 to 1:40 or 3-6 oz. per gallon of water
Glass Cleaner	1:64 to 1:128 or 1-2 oz. per gallon of water
Bathroom Cleaner	1:20 to 1:40 or 3-6 oz. per gallon of water
General Purpose Cleaner	1:10 to 1:64

Dilution ratios may vary based upon cleaning conditions.

NOTE: See reverse side for MSDS information and General Cautions for Use

Visit our website at www.ver-techlabs.com

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Revolution (REV100)

Product Class: Water-based Cleaner

Emergency Telephone Number: 800-535-5053 (INFOTRAC)

Telephone Number for Information: 763-509-7937

Manufacturers Name and Address:

Ver-tech Labs
6801 Bleck Drive
Rockford MN 55373

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical Common Name(s)

A	Phosphonic Acid CAS #2809-21-4
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SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Clear liquid, mild aroma.

Primary Hazards: Irritation

Potential Health Hazards

Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X

Eye: Cause Irritation on contact.

Skin: Causes irritation on contact.

Ingestion: Harmful if swallowed.

Inhalation: No hazardous vapors.

Signs and Symptoms of Exposure: Eye Contact: burning, tearing and redness. Skin Contact: Possible redness, swelling and irritation. Symptoms may be delayed.

Carcinogenicity: NTP? No IARC Monographs? No

OSHA Regulated? No

Target Organ (s): Eyes, skin and mucous membranes.

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic: N. Av.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

For Eye Contact: Immediately flush eyes with sanitary eye wash solution or running water for at least 15 minutes. Obtain medical attention. **If Swallowed:** Do not induce vomiting. Drink two glasses of water, call a physician. Never give anything by mouth to a unconscious person. **For Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.

Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: No **Autoignition Temperature:** N. Av.

Flash Point (method used): None

Flammable Limits: N. Av. LEL UEL

Extinguishing Media N. Av.

Water?	Foam?	Water Fog?
Alcohol Foam?	CO ₂ ?	Dry Chemical?
Vaporizing Liquid?	Other?	

Special Fire Fighting Procedures: N. Av.

Unusual Fire and Explosion Hazards: N. Av.

TDG Flammability Classification: Non-flammable

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be taken in Case Material is Released or Spilled:

Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

SECTION VII - HANDLING AND STORAGE

Precautions to be taken in Handling and Storing:

Normal care in handling and storage.

Other Precautions: Keep out of reach of children. Keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required

Ventilation: Local Exhaust: Not required Special: Not required

Mechanical (General): As required to keep vapor levels below

TLV & PEL, listed in Section XI. **Other:** Not required

Protective Gloves: Natural rubber or synthetic.

Eye Protection: Approved safety goggles or shield. **Footwear:** Rubber footwear.

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F (100°C) **pH:** < 4

Specific Gravity (H₂O) = 1: 1.01 **% Volatile:** 60 - 100

Vapor Density (Air = 1): N. Av. **Odor Threshold:** N. Av.

Evaporation Rate (Butyl Acetate = 1): N. Av. **Oil/Water Distribution**

Solubility in Water: Complete **Coefficient:** N. Av.

Vapor Pressure (MM HG): N. Av.

Melting Point: N. Av.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X

Conditions to Avoid: N. Av.

Incompatibility (materials to avoid): N. Av.

Hazardous Decomposition or By-products: N. Av.

Hazardous Polymerization: May occur: Will not occur: X

Conditions to Avoid: N. Av.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	None	None	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No

Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.

Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.

RCRA Hazard Class: N. Av.

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Compound Cleaning liquid

UN Number:

Packing Group:

SECTION XV - PREPARATION DATA

Prepared By: Health and Safety Department

Telephone Number: 763-509-7937

Date: 2-17-2009

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quality: N. Av.

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: None

Section 313 Toxic Chemicals: None

SECTION XVII - OTHER INFORMATION

None

N. Av. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

2 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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