

# Marvel Concentrate

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Marvel Concentrate
<b>Other Means of Identification</b>	6633
<b>Recommended Use</b>	Glass Cleaner.
<b>Restrictions on Use</b>	No information available.
<b>Manufacturer/Supplier Identifier</b>	Sunburst Chemicals, Inc., 220 W. 86th St., Bloomington, MN, 55420, 952-884-3144
<b>Emergency Phone No.</b>	Emergency Telephone Number, 1-866-303-6943
<b>SDS No.</b>	0002

## SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

### Classification

Flammable liquid - Category 3; Acute toxicity (Oral) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2A

### Label Elements



Signal Word:  
Danger

### Hazard Statement(s):

Harmful if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
Flammable liquid and vapour.

### Precautionary Statement(s):

Prevention:  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash hands and skin thoroughly after handling.  
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Keep container tightly closed.  
Wear protective gloves, protective clothing, eye protection, face protection.  
Take action to prevent static discharges.

### General Advice

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IF exposed or concerned: Get medical attention/advice

#### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice or attention.

#### Skin

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice or attention.

#### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTRE or doctor if you feel unwell.

#### Ingestion

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

#### Storage:

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

#### Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

#### Other Hazards

Not applicable.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
2-Butoxyethanol	111-76-2	5-10	
Isopropyl alcohol	67-63-0	5-10	
Ammonium hydroxide	1336-21-6	1-5	

#### Notes

PRODUCT AT USE DILUTION

Contains ingredients listed above at weight % less than 10.0%

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

##### Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. Seek immediate medical attention/advice.

##### Eye Contact

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Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Seek immediate medical attention/advice.

#### **Ingestion**

Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

#### **First-aid Comments**

Get medical advice or attention if you feel unwell or are concerned.

#### **Most Important Symptoms and Effects, Acute and Delayed**

None known.

#### **Immediate Medical Attention and Special Treatment**

##### **Special Instructions**

Treat symptomatically.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Water. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

#### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Product**

Not sensitive to static discharge.

Not sensitive to mechanical impact.

### **Special Protective Equipment and Precautions for Fire-fighters**

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

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

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Ensure adequate ventilation. Use personal protective equipment.

### **Environmental Precautions**

Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information. Dispose of contents/container to an approved waste disposal plant.

### **Methods and Materials for Containment and Cleaning Up**

Contain and soak up spill with absorbent that does not react with spilled product.

Collect and reuse if possible. Following product recovery, flush area with water.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Do not eat, drink or smoke when using this product, or its use solutions.

### **Conditions for Safe Storage**

Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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## Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
2-Butoxyethanol	20 ppm		50 ppm			
Isopropyl alcohol	200 ppm		400 ppm			

### Appropriate Engineering Controls

Provide eyewash in work area, if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Rubber or vinyl gloves recommended when handling solid chemicals or their use solutions.

#### Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Blue.
Odour	Alcoholic
Odour Threshold	Not available
pH	10.0 - 11.5
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	92.2 °C (198.0 °F)
Flash Point	Not available
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	Not available
Solubility	Soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not applicable (kinematic); Not applicable (dynamic)
<b>Other Information</b>	
Physical State	Liquid
Use Dilution	Product Use Dilution: 10.0 - 11.0 pH
VOC Content	VOC Content (%) = >10%

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

None known.

### Chemical Stability

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Normally stable.

#### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

#### Conditions to Avoid

High energy sources, e.g. welding arcs. Heat.

#### Incompatible Materials

None known.

#### Hazardous Decomposition Products

None known.

## SECTION 11. TOXICOLOGICAL INFORMATION

#### Likely Routes of Exposure

Skin contact; eye contact.

#### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
2-Butoxyethanol	2.21 mg/L (rat) (4-hour exposure)	470 mg/kg (rat)	400 mg/kg (rabbit)
Isopropyl alcohol	19000 ppm (rat)	4396 mg/kg (rat)	12870 mg/kg (rat)
Ammonium hydroxide	Not available	350 mg/kg (rat)	Not available

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

#### Skin Corrosion/Irritation

Causes skin irritation.

#### Serious Eye Damage/Irritation

Causes serious eye irritation.

#### STOT (Specific Target Organ Toxicity) - Single Exposure

##### Inhalation

May cause irritation of respiratory tract.

##### Ingestion

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### Aspiration Hazard

No information was located.

#### STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information available.

#### Respiratory and/or Skin Sensitization

No information available.

#### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
2-Butoxyethanol	Group 3	A3		
Isopropyl alcohol	Group 3			Listed

Group 3 – Not classifiable as to its carcinogenicity to humans. A3 – Confirmed animal carcinogen.

#### Reproductive Toxicity

##### Development of Offspring

No information was located.

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**Sexual Function and Fertility**

No information was located.

**Effects on or via Lactation**

No information was located.

**Germ Cell Mutagenicity**

Not mutagenic.

**Interactive Effects**

No information was located.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful, with long lasting effects to aquatic life, based on acute toxicity tests.

**Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
2-Butoxyethanol	1490 mg/L (Lepomis macrochirus (bluegill); 96-hour)	Not available	Not available	Not available
Isopropyl alcohol	9640 mg/L (Pimephales promelas (fathead minnow); 96-hour)	13299 mg/L (Daphnia magna (water flea); 48-hour)	Not available	> 1000 mg/L (Desmodesmus subspicatus (algae); 96-hour)
Ammonium hydroxide	8.2 mg/L (Pimephales promelas (fathead minnow); 96-hour)	0.66 mg/L (Daphnia magna (water flea); 48-hour)	Not available	Not available

**Persistence and Degradability**

No information available.

**Bioaccumulative Potential**

No information available.

**Mobility in Soil**

No information was located.

**Other Adverse Effects**

There is no information available.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations.

**SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Environmental Hazards** Not applicable

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**Emergency Response Guide No.** 154

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## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

#### USA

##### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

##### Additional USA Regulatory Lists

SARA Title III - Section 313:

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

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
2-Butoxyethanol	111-76-2	5-10	1.0.

SARA Title III - Section 311/312:

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

California Proposition 65

This product contains no Proposition 65 chemicals.

U.S. EPA Label Information

EPA Pesticide Registration Number :

Not applicable.

#### Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

CWA - Hazardous Substances :. (2-Butoxyethanol)

CWA - Hazardous Substances :. (Ammonium hydroxide)

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Hazardous Substances RQs:

2-Butoxyethanol 5000 lb final RQ/ RQ 2270 kg final RQ

Ammonium hydroxide 1000 lb final RQ/ RQ 454 kg final RQ

#### U.S. State Right-to-Know Regulations

New Jersey Right To Know:.. (2-Butoxyethanol)

Massachusetts Right To Know:.. (2-Butoxyethanol)

Pennsylvania Right To Know:.. (2-Butoxyethanol)

Illinois Right to Know:.. (2-Butoxyethanol)

Rhode Island:.. (2-Butoxyethanol)

New Jersey Right To Know:.. (Isopropyl alcohol)

Massachusetts Right To Know:.. (Isopropyl alcohol)

Pennsylvania Right To Know:.. (Isopropyl alcohol)

Rhode Island:.. (Isopropyl alcohol)

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New Jersey Right To Know: (Ammonium hydroxide)  
Massachusetts Right To Know: (Ammonium hydroxide)  
Pennsylvania Right To Know: (Ammonium hydroxide)

## SECTION 16. OTHER INFORMATION

<b>NFPA Rating</b>	<b>Health - 2</b>	<b>Flammability - 2</b>	<b>Instability - 0</b>
<b>SDS Prepared By</b>	SunBurst Chemicals		
<b>Phone No.</b>	952-884-3144		
<b>Date of Preparation</b>	October 09, 2017		
<b>Date of Last Revision</b>	June 20, 2016		
<b>Revision Indicators</b>	Update using CanWrite		

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