



# Safety Data Sheet

Issue Date: 25-Apr-2013

Revision Date: 13-Nov-2013

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** DyeSolv B

### Other means of identification

**SDS #** SVM-014

**Product Code** 23209

Formula X1010

**UN/ID No** UN2920

### Recommended use of the chemical and restrictions on use

**Recommended Use** Cleaning agent.

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

ServiceMaster™ Clean  
3839 Forest Hill Irene Rd.  
Memphis, TN, USA. 38125

#### **Emergency Telephone Number**

**Company Phone Number** 1-800-756-5656 (ServiceMaster™ Clean)  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear, water white, colorless

**Physical State** Liquid

**Odor** Ammonia / alcohol

### Classification

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Flammable Liquids	Category 3

### Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

### Signal Word

**Danger**

### Hazard Statements

Causes severe skin burns and eye damage  
Flammable liquid and vapor



#### **Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

#### **Precautionary Statements - Response**

Immediately call a poison center or doctor/physician  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a poison center or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a poison center or doctor/physician  
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
 IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

#### **Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep cool.

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### **Other Hazards**

Toxic to aquatic life with long lasting effects  
 Toxic to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ammonium hydroxide	1336-21-6	5-10
Isopropyl alcohol	67-63-0	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Immediately flush with cool water. Remove contact lenses, if any, after the initial flushing and then continue flushing for 15 minutes. Obtain medical attention immediately.
<b>Skin Contact</b>	Flush affected area with water. Wash with soap and water, rinse thoroughly. Immediately call a poison center or doctor/physician.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
<b>Ingestion</b>	Rinse mouth with water several times. Obtain medical attention. Do not induce vomiting. Give 1 – 2 glasses of water. Never give anything by mouth to an unconscious person.

### Most important symptoms and effects

<b>Symptoms</b>	May cause respiratory irritation. Ingestion may cause severe burns to mouth, throat or stomach. May cause redness, pain, and severe skin burns. Causes severe eye damage.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Carbon dioxide, dry chemical, foam. Water fog. Water mist.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Product is flammable.

**Hazardous Combustion Products** Carbon oxides.

**Sensitivity to Static Discharge** Flammable mixtures of this product are readily ignited even by static discharge.

### Protective equipment and precautions for firefighters

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

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information. Prevent entry into drains, sewers and other waterways.

### Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so. Absorb spill with an inert absorbent material.
<b>Methods for Clean-Up</b>	Use non-sparking hand tools and explosion-proof electrical equipment. Sweep up absorbed material and shovel into suitable containers for disposal. Dispose in accordance with local, provincial/state and federal regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks and open flame. Avoid breathing vapors/mists. Use adequate ventilation. Wear personal protective equipment appropriate to task. Wash thoroughly after handling. Keep out of reach of children. Avoid contact with skin, eyes and clothing. Launder contaminated clothing prior to reuse. Ground container and transfer equipment to eliminate static electric sparks. Use spark-proof tools and explosion-proof equipment. Keep container tightly closed. Take precautionary measures against static discharges.
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep containers tightly closed in a cool, well-ventilated place. Store away from incompatible materials. Keep containers closed when not in use. Keep away from heat and ignition sources.
<b>Incompatible Materials</b>	Acids. Oxidizers. Soft Metals.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

### Appropriate engineering controls

<b>Engineering Controls</b>	Showers Eyewash stations Ventilation systems. Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
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### Individual protection measures, such as personal protective equipment

<b>Eye/Face Protection</b>	Safety glasses.
<b>Skin and Body Protection</b>	Rubber gloves. As required to prevent skin contact. Normal work clothes. Safety shoes per local regulations.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene Considerations</b>	Wash hands before eating, drinking, smoking and using the toilet. Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Ammonia / alcohol
<b>Appearance</b>	Clear, water white, colorless	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear, water white, colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	10.5-11.5	
<b>Melting Point/Freezing Point</b>	Not determined	
<b>Boiling Point/Boiling Range</b>	Not available	
<b>Flash Point</b>	44 °C / 111.2 °F	
<b>Evaporation Rate</b>	Not available	
<b>Flammability (Solid, Gas)</b>	Not available	
<b>Upper Flammability Limits</b>	Not available	
<b>Lower Flammability Limit</b>	Not available	
<b>Vapor Pressure</b>	Not available	
<b>Vapor Density</b>	Not available	
<b>Specific Gravity</b>	0.980-1.004	
<b>Water Solubility</b>	Completely soluble	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not available	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Water thin	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	
<b>VOC Content</b>	>98%	
<b>Density</b>	Density: pounds per gallon 25°C 8.277 +/- 0.1	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Heat, sparks and open flames.

### Incompatible Materials

Acids. Oxidizers. Soft Metals.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Causes severe skin burns; Prolonged and repeated contact may cause drying and defatting of the skin which can lead to irritation and dermatitis.
<b>Inhalation</b>	May cause irritation to the mucous membranes and upper respiratory tract.
<b>Ingestion</b>	May be harmful if swallowed; May cause chemical burns to mouth, throat and stomach.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ammonium hydroxide 1336-21-6	= 350 mg/kg ( Rat )	-	-
Isopropyl alcohol 67-63-0	= 4396 mg/kg ( Rat )	= 12800 mg/kg ( Rat ) = 12870 mg/kg ( Rabbit )	= 72.6 mg/L ( Rat ) 4 h

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol 67-63-0		Group 3		X

#### Legend

*IARC (International Agency for Research on Cancer)*  
*Group 3 IARC components are "not classifiable as human carcinogens"*  
*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*  
*X - Present*

### Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ammonium hydroxide 1336-21-6		8.2: 96 h Pimephales promelas mg/L LC50		0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50

Isopropyl alcohol 67-63-0	1000: 96 h Desmodemus subspicatus mg/L EC50 1000: 72 h Desmodemus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11 130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50	13299: 48 h Daphnia magna mg/L EC50
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**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Isopropyl alcohol 67-63-0	0.05

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Ammonium hydroxide 1336-21-6	Toxic Corrosive
Isopropyl alcohol 67-63-0	Toxic Ignitable

### 14. TRANSPORT INFORMATION

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

<b>UN/ID No</b>	UN2920
<b>Proper Shipping Name</b>	Corrosive liquids, flammable, n.o.s. (Ammonium Hydroxide, Isopropyl Alcohol)
<b>Hazard Class</b>	8
<b>Subsidiary Hazard Class</b>	3
<b>Packing Group</b>	II

**IATA**

<b>UN/ID No</b>	UN2920
<b>Proper Shipping Name</b>	Corrosive liquids, flammable, n.o.s. (Ammonium Hydroxide, Isopropyl Alcohol)
<b>Hazard Class</b>	8

**Subsidiary Hazard Class** 3  
**Packing Group** II

**IMDG**

**UN/ID No** UN2920  
**Proper Shipping Name** Corrosive liquids, flammable, n.o.s. (Ammonium Hydroxide, Isopropyl Alcohol)  
**Hazard Class** 8  
**Subsidiary Hazard Class** 3  
**Packing Group** II  
**Marine Pollutant** This material may meet the definition of a marine pollutant

**TDG**

**UN/ID No** UN2920  
**Proper Shipping Name** Corrosive liquids, flammable, n.o.s. (Ammonium Hydroxide, Isopropyl Alcohol)  
**Hazard Class** 8  
**Subsidiary Hazard Class** 3  
**Packing Group** II

## 15. REGULATORY INFORMATION

**International Inventories**

Not determined

**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances***US Federal Regulations****CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ammonium hydroxide 1336-21-6	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Ammonium hydroxide - 1336-21-6	1336-21-6	5-10	1.0
Isopropyl alcohol - 67-63-0	67-63-0	1-5	1.0

**CWA (Clean Water Act)**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ammonium hydroxide 1336-21-6 ( 5-10 )	1000 lb			X

**US State Regulations**



**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ammonium hydroxide 1336-21-6	X	X	X
Isopropyl alcohol 67-63-0	X	X	X

## 16. OTHER INFORMATION

**NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

**Issue Date:**

25-Apr-2013

**Revision Date:**

13-Nov-2013

**Revision Note:**

New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**