



SAFETY DATA SHEET

Issuing Date No data available

Revision Date 1-June 2015

Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name BRITE 40:1 GLASS CLEANER

Other means of identification

Product Code(s) 107450

Synonyms Brite 40 to 1

Recommended use of the chemical and restrictions on use

Recommended Use Glass Cleaner

Uses advised against No Information Available

Supplier's details

Supplier Address

Birsch Industries
476 Viking Drive
Virginia Beach, VA. 23452
TEL: 757-622-0355

Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

FLAMMABLE LIQUIDS – Category 4
ACUTE TOXICITY: ORAL – Category 4
SKIN CORROSION/IRRITATION – Category 2
EYE DAMAGE/IRRITATION – Category 2A

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word WARNING

Hazard Statements

- Combustible liquid
- Harmful if swallowed
- Causes skin irritation
- Causes serious eye irritation

Appearance Blue**Physical State** Liquid**Odor** Strong Ammonia Scent**Symbol:****Precautionary Statements****Prevention**

Keep away from flames and hot surfaces. –No Smoking.
 Wear protective gloves/eye protection/face protection.
 Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.

Response

In case of fire: Use water to extinguish.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Specific treatment. (See label)

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/attention.

Storage

Store in a well ventilated place. Keep cool.

Disposal

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Chemical Name	CAS-No	Weight %	Notes
2-Propanol	67-63-0	20 – 30	*
2-Butoxyethanol	11-76-2	5 – 10	*
Sodium Lauryl Sulfate	151-21-3	1 – 5	*
Ammonium Hydroxide	1336-21-6	< 3	*

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

4. FIRST AID MEASURES

Description of necessary first-aid measures**Eye Contact**

Eye irritant. Liquid and mists may damage the eye, causing corneal damage. Flush with large quantities of water, holding eyelids open. Seek medical attention.

Skin Contact

Prolonged or repeated contact may cause dermatitis. Flush with water. Seek medical aid if irritation persists.

Inhalation

Vapors may be irritating to the nose, throat and lungs. Move to fresh air. If irritation persists, seek medical aid.

Ingestion	Maybe irritating to the mouth, throat and gastrointestinal system. May cause vomiting and diarrhea with large doses. Do NOT induce vomiting. Drink large quantities of water. Seek medical attention immediately.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog, Dry powder, Foam, Carbon dioxide (CO₂)

Unsuitable Extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire.

Special Protective Equipment and Precautions for Firefighters

Fire fighters and other who may be exposed to products of combustion should wear full fire fighting turn out gear and self-contained breathing apparatus.

Specific Methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General Fire Hazards

No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mists or vapors.
Environmental Precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Eliminate all ignition sources. Use only non-sparking tools. Keep combustibles away from spills. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination.

7. HANDLING AND STORAGE

Precautions for safe handling

Isolate from oxidizers, heat and open flame. Use only with adequate ventilation. Avoid repeated breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Wear goggles, face shield, gloves, apron and footwear impervious to material. Wash clothing before reuse. Avoid free fall of liquid.

Conditions for safe storage, including any incompatibilities

Isolate from strong oxidants. Keep container tightly closed and upright when not in use. Store in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Empty containers should be handled with care. Never store food, feed, or drinking water in containers which hold this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits	No data available
Biological Limit Values	No biological exposure limits noted.
Appropriate Engineering Controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Provide eyewash station. Eye wash fountain and emergency showers are recommended.
<u>Individual protection measures, such as personal protective equipment</u>	
Eye & Face Protection	Wear safety goggles or glasses with full face shield.

Hand & Skin Protection	Wear appropriate chemical resistant gloves. Wear suitable protective clothing.
Respiratory Protection	Chemical respirator with organic vapor cartridge and full facepiece.
Hygiene Measures	Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Blue
Odor	Strong Ammonia Scent	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>
pH	9.0 – 10.0
Melting Point/Range	No data available
Boiling Point/Boiling Range	> 212°F
Flash Point	> 120°F
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limits in Air	
upper flammability limit	10
lower flammability limit	4
Vapor Pressure	20 mm Hg @ 68°F
Vapor Density	No data available
Relative Density	No data available
Specific Gravity	0.96
Water Solubility	No data available
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Flammable Properties	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available

10. STABILITY AND REACTIVITY

Stability

The product is stable

Possibility of hazardous reactions

No dangerous reaction known under normal conditions.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Strong oxidizers

Hazardous decomposition products

No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Ingestion May be irritating to the mouth, throat and gastrointestinal system.

Inhalation	Vapors may be irritating to the mouth, throat and lungs.
Skin Contact	Prolonged or repeated contact may cause dermatitis.
Eye Contact	Can cause irritation or burns.

Information on Toxicological Effects

Acute Toxicity	Harmful if swallowed.
Skin Corrosion/Irritation	May cause mild skin irritation.
Serious Eye Damage/Eye Irritation	Causes severe eye irritation
Respiratory Sensitization	Not available
Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive Toxicity	This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity Single Exposure	Not applicable
Specific Target Organ Toxicity Repeated Exposure	Not applicable
Aspiration Hazard	No data available

12. ECOLOGICAL INFORMATION

Ectotoxicity	No data available
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available
Mobility In Soil	No data available
Other Adverse Effects	No other adverse environmental effects are expected from this product.

13. DISPOSAL CONSIDERATIONS

Disposal Instructions	Dilute with plenty of water. Mop, vacuum or wash away spill. Dispose of in accordance with federal, state and local regulations.
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14. TRANSPORT INFORMATION

DOT
Not Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations
Not Listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories: Fire Hazard, Acute Health
 SARA 302 Extremely Hazardous Substance: No
 SARA 311/312 Hazardous Chemical: Ammonium Hydroxide (1336-21-6) [RQ(LBS): 500]
 SARA 313: 2-Butoxyethanol (111-76-2) [RQ(LBS): None]
 Ammonium Hydroxide (1336-21-6) [RQ(LBS): 10000]

Clean Air Act (CAA)

Section 112 Hazardous Air Pollutants List: Not Regulated
 Section 112r Accidental Release Prevention: Not Regulated

CERCLA (40 CFR 302.4)

Ammonium Hydroxide (1336-21-6) [Reportable Quantity: 1000]

US OSHA Specifically Regulated Substance (29 CFR 1910.1001-1050)

Not Listed

Safe Water Drinking Act (SDWA)

Not Regulated

U.S. State Right to Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Rhode Island
2-Propanol (67-63-0)	X	X	X	X
Ammonium Hydroxide (1336-21-6)	X	X	X	X

California Proposition 65

Not Listed

16. OTHER INFORMATION

NFPA **Health 1** **Flammability 2** **Instability 0**

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Revision Note N/A

General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet