

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Burnout Base
General Use: May be used as printing for textile.
Product Description: Opal finishing agent
MSDS Number: US-0330

MANUFACTURER

Company Name: Matsui Shikiso Chemical Co., Ltd.
Address: 64 Kamikazansakuradani-cho, Yamashina-ku, Kyoto 607-8466, JAPAN
Telephone No.: +81 (75) 594-5612

AGENCY

Matsui International Co., Inc.
Address: 1501 West 178th Street, Gardena, CA 90248, U.S.A.
Telephone No.: (310) 767-7812

EMERGENCY TELEPHONE NUMBER: +81 (75) 594-5612 / (310) 767-7812

2. COMPOSITION/INFORMATION ON INGREDIENTS

No	Component(s)	CAS #	Approx. %
A	Ethylene glycol	107-21-1	14
B	Water and ingredients below reportable levels	N/A	Balance

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

This product is not considered to be hazardous under OSHA's Hazard Communication Standard.

3. HAZARDS IDENTIFICATION

HMIS Ratings

Health: 2
Flammability: 0
Reactivity: 1
Protection: E

(0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe)

EMERGENCY OVERVIEW:

Causes respiratory tract irritation. Getting into eyes is high hazard. Contacting with skin may cause burn injury by strong acid.

POTENTIAL HEALTH EFFECTS

Inhalation:

Product may cause irritation.

Eye: Getting into eyes is high hazard.

Skin: Contacting with skin may cause irritation, and untreated may cause burn injury by strong acid.

Ingestion:

Product may injure internal organ.

Chronic:

Not available.

Carcinogenicity:

NTP: Not listed.

OSHA: Not regulated.

IARC: Not listed.

ACGIH: Listed as Ethylene glycol. (A4: not classified into human carcinogen)

POTENTIAL ENVIRONMENTAL EFFECTS:

Not available.

4. FIRST AID MEASURES

INHALATION:

If inhale a large quantity, remove to fresh air. Seek medical attention as needed.

EYE: Thoroughly flush eyes with water for at least 15 minutes. Do not neutralize.
Seek medical attention.

SKIN: Immediately wash with mild soap and water until no evidence of chemical remains.
Do not neutralize. In case of getting burn injury, seek medical attention.

INGESTION:

Never induce vomiting. Drink much milk or water, and drink magnesia milk, raw eggs or vegetable oil. Seek medical attention immediately.

PROTECTION TO FIRST-AIDERS:

Wear personal protective clothing and equipment.

NOTE TO PHYSICIAN:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Hazardous Combustion Products:	Not available.
Flash Point:	Not applicable.
Lower Flammable Limit:	Not available.
Upper Flammable Limit:	Not available.
Autoignition:	Not applicable.
Conditions of Flammability:	Requires this product be dry.
Explosion Data:	
Impact Sensitivity:	Not sensitive to mechanical impact.
Static Discharge:	Not sensitive to static discharge.

EXTINGUISHING MEDIA:

Use water, dry chemical, or CO₂ gas.

(This product is not combustible under normal conditions due to its aqueous property.)

FIRE FIGHTING INSTRUCTIONS:

In case of fire, wear acid resistant protective equipment and respirator.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL:

Wear acid resistant rubber gloves, goggles, and long-sleeved working clothing. Absorb with dry sand or absorbent materials and collect into container for disposal.

For large spill, dike with rag or sandbags to prevent from contaminating soil, and collect into container with shovel or vacuum. For small spill, wipe up with cloth.

WATER SPILL:

Wear acid resistant rubber gloves, goggles, and long-sleeved working clothing. Absorb with dry sand or absorbent materials and collect into container for disposal.

For large spill, dike with rag or sandbags to prevent from entering public waters, and collect into container. For small spill, wipe up with cloth.

7. HANDLING AND STORAGE

HANDLING:

Wear suitable protective equipment and clothing as needed to prevent the material from contacting skin and eyes. Use in well-ventilated area. Handle containers with care – avoid rough handling or dropping. Avoid alkali.

STORAGE:

Store in a cool and dark place away from direct sunlight. Avoid freezing. Keep container tightly closed. Do not use metal container. Avoid organic matters and the other chemicals. Keep away from high temperature and fire.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES:

Ethylene glycol	ACGIH – TLV (STEL)	100 mg/m ³ (as ceiling limit)
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EXPOSURE CONTROLS

Occupational Exposure Controls

Engineering Controls:

Local exhaust ventilation or general ventilation is recommended during indoor operation.

Personal Protection

Respiratory Protection:

Wear mask with filter, in case of the forming of mist.

Hand Protection:

Wear acid resistant rubber gloves.

Eye Protection:

Wear safety glasses or face shield.

Skin Protection:

Wear long pants, long sleeves, and boots when applicable.

Environmental Exposure Controls:

Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent paste.
Odor:	Odorless.
pH:	Strong acidity.
Boiling Point:	Not available.
Melting Point:	Not available.
Decomposition Temperature:	Not available.
Flash Point:	Not available.
Auto-Ignition Temperature:	Not available.
Flammability:	If this product is dry, it may be flammable.
Explosive Properties:	Not applicable.
Oxidizing Properties:	Not available.
Vapor Pressure:	Not available.
Specific Gravity (water = 1):	Approx. 1.3
Solubility	
Water:	Soluble.
Partition Coefficient (n-octanol/water):	Not available.
Viscosity:	Not available.
Vapor Density:	Not available.

Evaporation Rate: Not available.

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None.
STABILITY: Stable under recommended conditions of storage and handling.
MATERIALS TO AVOID: Alkali.
HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS:
Acid gas is formed in the decomposition of major component at high temperature.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Oral rat LD₅₀ 2,800 mg/kg (major component)
Eye Irritation: Not available.
Skin Irritation: Not available.
Sensitization: Not available.
Repeated Dose Toxicity: Not available.
Chronic Toxicity: Not available.
Mutagenicity: Not available.
Carcinogenicity: Not applicable.
Reproductive and Developmental Toxicity:
Not available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not available.
MOBILITY: Not available.
PERSISTENCE AND BIODEGRADABILITY:
Not available.
BIOACCUMULATIVE POTENTIAL: Not available.
OTHER ADVERSE EFFECTS: Not available.

13. DISPOSAL INFORMATION

Comply with all federal, state and local regulations.
Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

US DEPARTMENT OF TRANSPORTATION (DOT)

Hazardous Materials: Yes.
Hazardous Materials Description and Proper Shipping Name:
Not applicable.
Hazard Class or Division: Not applicable.
Identification Number: Not applicable.
Packing Group: Not applicable.
Label(s) Required: Not applicable.

SEA TRANSPORT

IMDG

Class: Not applicable.
Packing Group (PG): Not applicable.
UN Number: Not applicable.
Proper Shipping Name: Not applicable.
Marine Pollutant: Not applicable.

AIR TRANSPORT

ICAO/IATA

Class: Not applicable.
Packing Group (PG): Not applicable.
UN Number: Not applicable.
Proper Shipping Name: Not applicable.

15. REGULATORY INFORMATION

OSHA STATUS:

This product is not considered to be hazardous under 29 CFR 1910.1200.

TSCA STATUS:

All components on TSCA INVENTORY.

CERCLA REPORTABLE QUANTITY (40 CFR 117, 302):

Ethylene glycol Reportable quantity 5,000 pounds.

SARA TITLE III

Section 302 (40 CFR 355) – Extremely hazardous substance:

Not applicable.

Section 311/312 (40 CFR 370) – Hazard categories:

Not applicable.

Section 313 (40 CFR 372) – Toxic chemical:

Ethylene glycol

CONEG – Typical Metals present in ppm:

Cadmium (Cd)	N
Hexavalent Chromium (Cr(VI))	N
Lead (Pb)	N
Mercury (Hg)	N

ENCS (Japan): Components listed.

Please refer to any other federal, state and local regulations.

For specific questions please call to Matsui International Co., Inc. USA 3107677812.

16. OTHER

ABBREVIATIONS

OSHA: The Occupational Safety and Health Administration

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists, Inc.

IMDG: International Maritime Dangerous Goods

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

TSCA: Toxic Substances Control Act

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act of 1980

SARA: Superfund Amendments and Reauthorization Act of 1986

CONEG: the Coalition of Northeastern Governors

ENCS: Existing and New Chemical Substances

New and updated MSDS are presented in the ANSI Z400.1-1998 Sixteen-section format. All available information is included in systematic update.

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