

MATERIAL SAFETY DATA SHEET

Number: Z-0005(E)
Date prepared: October 2, 2001
Date revised: June 2, 2006

1. Chemical Product and Company Identification

Product code: -
Product name: Surcast
Manufacturer:
GC Corporation, 76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan
Postal code 174-8585, Phone 81-3-3965-1388

Australian supplier: Henry Shein Halas Dental Co., Ltd., Sydney – Head Office 44 O'Dea Ave, Waterloo, NSW 2017 Emergency Phone (02) 9697-6288 Fax (02) 9697 6250

2. Composition / Information on Ingredients

(% chemical components by WT)	
Isopropyl alcohol (CAS# 67-63-0)	30%
Polyoxyethylenonylphenyl ether (CAS# 9016-45-9)	10
Water (CAS# 7732-18-5)	60

3. Hazards Identification

Emergency Overview: Flammable liquid and vapor. Causes eye, respiratory tract irritation. May cause skin irritation. Harmful if swallowed or inhaled.
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Potential Health Effects

Eye: Vapors cause eye irritation. Splash cause severe irritation.
Skin: May cause irritation with redness and pain. May be absorbed through the skin with possible systemic effects.
Inhalation: Inhalation of vapors irritates the respiratory tract.
Ingestion: Can cause drowsiness, unconsciousness. Gastrointestinal pain, cramps, diarrhea, nausea and vomiting may also result.

4. First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Immediately get medical attention.
Skin: Immediately wash with water and soap and rinse thoroughly. Get medical attention, if irritation develops.
Ingestion: Never give anything by mouth to an unconscious person. If symptoms persist, get medical attention.
Inhalation: Supply fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get medical attention.

5. Fire Fighting Measures

Flammable Properties
Flash Point: 12°C
Flammable Limits % Vol: LEL 2.0, UEL 12.7
Auto Ignition Temperature: 399°C

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Explosion: Above flash point vapor-air mixtures are explosive within flammable limits noted above. Contact with strong oxidizers may cause fire or explosion.

Extinguishing Media: Water spray, dry chemical, alcohol-resistant foam, carbon dioxide.

Fire Fighting Instructions: As in any fire, wear full protective clothing and self-contained breathing apparatus in case of fire.

6. Accidental Release Measures

Eliminate source of ignition. Wear protective equipment and keep unprotected persons away. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container.

Do not allow product to reach sewage system or any watercourse. Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into watercourse or sewage system.

Measures for environmental protection: Do not flush to sewer.

Measures for cleaning/collections: Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container.

Ensure adequate ventilation.

7. Handling and Storage

Handling:

Keep Ignition sources away – Do not smoke.

Ensure good ventilation/exhaustion at workplace.

Storage:

Store in cool, dry conditions in well sealed receptacles. Keep receptacle tightly sealed.

8. Exposure Controls, Personal Protection

Respiratory Protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Skin Protection: Protective gloves.

Eye Protection: Tightly sealed goggles.

Exposure Limits:

	ACGIH	NIOSH	OSHA-Final PELs
Isopropyl alcohol (67-63-0)	200 ppm TWA, 400 ppm STEL	400 ppm TWA, 980 mg/m ³ TWA 2000 ppm IDLH	400 ppme TWA, 980 mg/me TWA

9. Physical and Chemical Properties

Appearance: Colorless liquid.

Odor: Rubbing alcohol.

Boiling Point: 82°C 760 mmHg

Vapor Pressure: 33 mmHg @20°C

Vapor Density: 2.1 (Air = 1)Not determined.

Solubility in Water: Miscible.

Specific Gravity: Not available

Freezing/Melting Point: Not available

pH: Not available

Volatility % by volume: Not available

Evaporation rate: Not available

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage. Heat and sunlight can contribute to instability.

Incompatibility: Strong oxidizing agents, strong acids, strong bases, chlorine, ethylene oxide,

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hydrogen peroxide-sulfuric acid combination, nitro form, etc.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

CAS #67-63-0

LD50/LC50:

Oral mouse: LD50=3600 mg/kg, Oral rabbit: LD50=6410 mg/kg, Oral rat: LD50=5045 mg/kg,

Oral rat: LD50=5045 mg/kg

Skin rabbit: LD50=12800 mg/kg

Inhalation mouse: LC50=53000 mg/m³, Inhalation rat: LC50=16000 ppm/8H,

Inhalation rat: LC50=72600 mg/m³

Carcinogenicity: Not listed by ACGIH, IARC, NTP or CA Prop 65

12. Ecological Information

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

The LC50/96-hour value for fish are over 100mg/l. This material is not expected to be toxic to aquatic life.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste. Dispose of container and unused contents in accordance with federal, state and local regulations.

14. Transport Information

IMO Regulations (IMDG):

Proper shipping name: Isopropyl alcohol solution

Hazardous class: 3, Flammable Liquid

UN Number: UN1219

Packing group: II

Marine Pollutant: No

ICAO and IATA Regulations:

Proper shipping name: Isopropyl alcohol solution

Hazardous class: 3, Flammable Liquid

UN Number: UN1219

Packing group: II

15. Regulatory Information

Chemical Inventory Status –

Isopropyl alcohol (67-63-0)

TSCA	EC	Japan	Australia	Korea	DSL	NDSL	Phil.
Yes	Yes	Yes	Yes	Yes		No	yes

Federal, State & International Regulations –

Isopropyl alcohol (67-63-0)

-SARA 302- -SARA 313-

RQ	TPQ	List	Chemical Catg.
No	No	Yes	No

No No Yes No

16. Other Information

The information herein is given in good faith, but no warranty expressed or implied is made.

