

Material Safety Data Sheet

Surety Laboratories Inc. 6 Pearl Court Allendale, NJ T: 201.661.7161. F: 201.785.3915 www.suretylabs.com	FOR MSDS INFORMATION: (201) 661-7161 24-HOUR EMERGENCY TELEPHONE NUMBER CHEMTREC (800) 424-9300	Surcide B20 <hr/> Effective Date: 09/03/08 Replaces: 05/02/06 Page 1 of 3
--	---	--

1. PRODUCT IDENTIFICATION				
PRODUCT NAME	Surcide B20			
CHEMICAL NAME	Not applicable			
CHEMICAL FAMILY	Isothiazolone			
FORMULA	Proprietary			
SYNONYMS	None			
2. COMPOSITION/INFORMATION ON INGREDIENTS				
The listed components are considered to be hazardous based on OSHA's Hazard Communication Standard. For further regulatory information, see Section 15.				
CHEMICAL NAME	CAS#	%	AGENCY	EXPOSURE LIMITS
Dipropylene glycol	25265-71-8	**	Not applicable	None established
Glycerol	56-81-5	25-35	OSHA	TWA: 5 mg/m3 (as mist - resp)
			OSHA	TWA: 15 mg/m3 (as mist - total)
			ACGIH	TWA: 10 mg/m3 (as mist - total)
1,2 Benzisothiazolin-3-one	2634-33-5	18-20	Not applicable	None established
Sodium hydroxide	1310-73-2	1-3	OSHA	TWA: 2 mg/m3
			ACGIH	TWA: 2 mg/m3 (ceiling)
OSHA Regulatory Status: This product is classified as hazardous under OSHA regulations.			** Concentration is proprietary	
3. HAZARDS IDENTIFICATION				
EMERGENCY OVERVIEW				
Surcide B20 is a clear liquid with a slight odor. Corrosive liquid. May cause irreversible damage to the eyes. May cause moderate skin and respiratory irritation. This material is toxic to fish. Avoid contamination of streams and sewers.				
ROUTES OF ENTRY Ingestion, skin contact, eyes, inhalation				
INGESTION May cause gastrointestinal irritation (nausea, vomiting, and diarrhea).				
SKIN May cause moderate skin irritation. This product is not a skin sensitizer. May be harmful if absorbed through the skin.				
EYE CONTACT May cause irreversible corneal damage if not washed from the eyes promptly.				
INHALATION May be harmful if inhaled.				
CHRONIC EFFECTS				
Repeated or prolonged skin contact may cause dermatitis, chemical burns, and skin sensitization.				
TARGET ORGANS Eyes, respiratory system, skin, liver, kidneys.				
CARCINOGENICITY This product (or component) is not listed as a carcinogen according to OSHA, NTP, ARC, and ACGIH.				
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE				
May aggravate pre-existing liver, kidney, eye, or skin disorders and allergies.				
4. FIRST AID MEASURES				
INGESTION Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.				
SKIN CONTACT Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.				
EYE CONTACT Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.				
INHALATION Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.				
NOTES TO PHYSICIAN Probable mucosal damage may contraindicate use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.				
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.				
5. FIRE FIGHTING MEASURES				
FLASH POINT		>94°C (>200°F) (ASTM D3278-96 Setaflash Closed-Cup)		
FLAMMABLE LIMITS		Not determined		
AUTOIGNITION TEMPERATURE		331°C (628°F) (for dipropylene glycol)		
FLAMMABILITY CLASS		Combustible liquid - Class III B		
HAZARDOUS PRODUCTS OF COMBUSTION		Carbon monoxide, carbon dioxide, oxides of nitrogen, sulfur, and sodium, and corrosive acrolein.		
FIRE EXTINGUISHING MEDIA		Dry chemical, carbon dioxide, water spray, or alcohol-resistant foam.		
FIRE FIGHTING INSTRUCTIONS		Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Avoid breathing vapors, keep upwind. Positive pressure self-contained breathing apparatus with full facepiece and structural firefighters' protective clothing will provide		

Material Safety Data Sheet

Surety Laboratories Inc. 6 Pearl Court Allendale, NJ T: 201.661.7161 F: 201.785.3915 www.suretylabs.com	FOR MSDS INFORMATION: (201) 661-7161 24-HOUR EMERGENCY TELEPHONE NUMBER CHEMTREC (800) 424-9300	Surcide B20 <hr/> Effective Date: 09/03/08 Replaces: 05/02/06 Page 2 of 3
---	---	--

limited protection.

UNUSUAL FIRE & EXPLOSION HAZARDS Contact may cause burns to eyes. Runoff from fire control or dilution water may cause pollution. Emits toxic and corrosive fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Positive pressure self-contained breathing apparatus and structural firefighters' protective clothing will provide limited protection. Shut off ignition sources; no flares, smoking, or flames in hazard area. Stop leak if you can do it without risk. For small spills, absorb with vermiculite or other noncombustible absorbent material and place into containers for later disposal. For large spills, dike far ahead of liquid spill for later disposal. If water pollution occurs, notify the appropriate authorities.

Observe all Federal, State, and Local regulations regarding notifications of accidental releases.

7. HANDLING & STORAGE

Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or mist. Wash thoroughly after handling. Keep container tightly closed. Use only with adequate ventilation. Store away from incompatible substances in a cool, dry, ventilated area. Do not store near food or feed.

Observe all Federal, State, and Local regulations when storing or disposing of this substance.

8. PERSONAL PROTECTION/EXPOSURE CONTROLS

VENTILATION	Provide proper ventilation to meet published exposure limits.
EYE/FACE PROTECTION	If potential for contact with liquid or vapor exists, use splash-proof safety goggles or other approved eye protection
SKIN PROTECTION	Wear impervious gloves and apron to prevent skin contact. Wear impermeable suit if exposure is possible to a large portion of the body.
RESPIRATORY PROTECTION	A respiratory protection program meeting OSHA 1910.134 must be followed whenever workplace conditions warrant the use of a respirator. If exposure may exceed recommended limits, a NIOSH/MSHA-approved respirator should be used based on exposure levels found in the workplace.
OTHER	Eyewash and safety shower should be available within the immediate work area for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid	SPECIFIC GRAVITY AT 25°C. (Water= 1)	1.12-1.16
ODOR	Amine odor	WATER SOLUBILITY	Soluble
INITIAL BOILING POINT	100°C (212°F)	pH	>12
VAPOR PRESSURE AT 20°C.	Unknown	EVAPORATION RATE (Butyl acetate =1)	<1
VAPOR DENSITY (Air=1)	Not available	% VOLATILES BY WEIGHT	48% nominal
VISCOSITY (Brookfield) AT 25°C.	200-425 cps	VOC (g/l) EPA Method 24	Not determined

10. STABILITY & REACTIVITY

REACTIVITY Stable under normal temperatures and pressures.

CONDITIONS TO AVOID Avoid heat or sources of ignition.

INCOMPATIBILITY Avoid contact with oxidizing agents. Corrodes metals such as mild steel, aluminum, brass, and copper.

HAZARDOUS DECOMPOSITION Decomposition may release carbon monoxide, carbon dioxide, oxides of nitrogen, sulfur, and sodium, and corrosive acrolein.

HAZARDOUS POLYMERIZATION Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS
LD50 (oral, rat-female) .1020 mg/kg.

ACUTE SKIN EFFECTS
LD50 (dermal, rabbit) >2000 mg/kg. Moderate irritation (rabbit). This product is not a skin sensitizer.

ACUTE EYE EFFECTS
Severe irritation and corrosive (rabbit). Corneal damage may be irreversible if not washed from eyes promptly.

ACUTE INHALATION EFFECTS
LC50 (rat, 4 hr) .057 mg/l.

SUBCHRONIC EFFECTS AND OTHER STUDIES
Additional data is available on request from Surety Laboratories, Inc. on active ingredient and other hazardous components (dipropylene glycol and glycerol).

12. ECOLOGICAL INFORMATION

ECOTOXICITY This product is toxic to fish. Do not apply directly to water or wetlands. Do not contaminate water when disposing of equipment washwaters.

ENVIRONMENTAL FATE This product is a pesticide and may cause adverse environmental impact.

13. DISPOSAL INFORMATION

RCRA HAZARDOUS WASTE This product is a RCRA hazardous waste based on its pH meeting the definition of corrosivity.

WASTE DISPOSAL PROCEDURE The user of this material has the responsibility to dispose of unused material, residues, and containers in compliance with all Federal, State, and Local Regulations.

14. TRANSPORTATION INFORMATION

DOT	SHIPPING NAME	UN3266, Corrosive liquid, inorganic, basic, n.o.s. (sodium hydroxide), 8 PG III, ERG# 154
------------	----------------------	---

Material Safety Data Sheet

Surety Laboratories Inc. 6 Pearl Court Allendale, NJ T: 201.661.7161 F: 201.785.3915 www.suretylabs.com	FOR MSDS INFORMATION: (201) 661-7161 24-HOUR EMERGENCY TELEPHONE NUMBER CHEMTREC (800) 424-9300	Surcide B20 <hr/> Effective Date: 09/03/08 Replaces: 05/02/06 Page 3 of 3
---	---	--

LABELS REQUIRED	Corrosive
IATA SHIPPING NAME	UN3266, Corrosive liquid, inorganic, basic, n.o.s. (sodium hydroxide), 8 PG III, ERG/f 8L
LABELS REQUIRED	Corrosive
IMDG SHIPPING NAME	UN3266, Corrosive liquid, inorganic, basic, n.o.s. (sodium hydroxide), 8 PG III, EMS# F-A, S-B
LABELS REQUIRED	Corrosive

15. REGULATORY INFORMATION

CERCLA SECTION 103 (40CFR302.4)
 This product contains the following toxic chemicals that require notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the Reportable Quantities (RQ).

CHEMICAL NAME	CAS#	%	RQ (lbs)
Sodium hydroxide	1310-73-2	< 3	1000

SARA SECTION 302 (40CFR355.30), SARA SECTION 304 (40CFR355.40)
 This product does not contain any chemicals that require emergency planning based on Threshold Planning Quantities (TPQ) or release reporting based on Reportable Quantities (RQ).

SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21)

<u>ACUTE</u>	<u>CHRONIC</u>	<u>FIRE</u>	<u>REACTIVE</u>	<u>PRESSURE</u>
X	X			

SARA SECTION 313 (40CFR372.65)
 This product does not contain any chemicals subject to the reporting requirements of the Emergency Planning and Community Right-to-Know Act of 1986.

CHEMICAL INVENTORIES
 The ingredients of this product are all on the following Chemical Substance Inventories, are exempt from the Inventories, or are otherwise compliant with inventory requirements of the governing agency.

<u>TSCA</u>	<u>EINECS</u>	<u>DSL/NDSL</u>	<u>AICS</u>	<u>ECL</u>	<u>MITI/ENCS</u>	<u>PICCS</u>
X	X	X	X	X	X	X
U.S	Europe	Canada	Australia	Korea	Japan	Philippines
IECSC X China						

CALIFORNIA PROPOSITION 65
 This product does not contain any substances that are currently on the list of Known Carcinogens and Reproductive Toxins, at levels which would require a warning under the statute.

STATE RIGHT-TO-KNOW
 This product is regulated by the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is exempt from State Right-to-Know labeling requirements when labeled with an approved EPA label.
 EPA Registration No. 5383-121

16. OTHER

REVISIONS Prepared by: Environmental and Regulatory Affairs Dept.
 This MSDS has been revised in the following sections: (revisions indicated in left border)
 New issue

ABBREVIATIONS

PNOC - Particulates not otherwise classified	PNOR - Particulates not otherwise regulated
STEL - Short-term exposure limit	TLV - Threshold limit value
	TWA - Time-weighted average

HMIS RATING				NFPA RATING		
HEALTH	FLAMMABILITY	REACTIVITY	PERSONAL PROTECTION	HEALTH	FLAMMABILITY	REACTIVITY
2	1	0	H	2	1	0

The information contained in this MSDS is believed to be accurate and reliable as of issue date, but no representation, guarantee, or warranty, express or implied is made to the accuracy, reliability, or completeness of the information. It is provided for the purpose of complying with hazard communication regulations. It is not intended as performance information or specifications for the product. It is the user's responsibility to determine the suitability of the product for his own use. Surety Laboratories, Inc. does not assume legal responsibility for reliance on information herein.