

# BCIP-NBT Solution: sc-358798



The Power to Question

## MATERIAL SAFETY DATA SHEET

---

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** BCIP-NBT Solution **Product Number:** sc-358798

**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 95060  
800.457.3801 or 831.457.3800

**Emergency:** ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Irritant  
Toxic  
Suspected teratogen

**Physical State** Liquid

#### Potential Health Effects

##### Acute Toxicity

**Eyes** Irritating to eyes.  
**Skin** Irritating to skin.  
**Inhalation** Irritating to respiratory system. Toxic by inhalation.  
**Ingestion** Causes irritation by ingestion. Toxic if swallowed.  
**Chronic Effects** Suspected Teratogen. Possible risk of impaired fertility.  
**Aggravated Medical Conditions** None known.

**Environmental Hazard** See Section 12 for additional Ecological Information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<i>Chemical Name</i>	<i>CAS-No</i>	<i>Weight %</i>
Methyl alcohol	67-56-1	5-10

### 4. FIRST AID MEASURES

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin Contact** Wash skin with soap and water.

**Inhalation** Move to fresh air. If breathing becomes difficult, give oxygen.

**Ingestion** Clean mouth with water and afterwards drink plenty of water.

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Flammable Properties** Not flammable.

**Flash Point** Not determined

**Suitable Extinguishing Media** Use extinguishing media appropriate to surrounding fire conditions.

**Hazardous Combustion Products** Hydrogen Chloride Gas

#### Explosion Data

**Sensitivity to Mechanical Impact** Not sensitive.

**Sensitivity to Static Discharge** Not sensitive.

**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.

**NFPA****Health Hazard:** 0**Flammability:** 0**Stability:** 0**Physical and Chemical Hazards:** 0**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions** Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Cover with dry lime or soda ash. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

**7. HANDLING AND STORAGE**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Protect from light.

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from light. Store at 4° C.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl alcohol 67-56-1	= 250 ppm STEL TWA: 200 ppm	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m <sup>3</sup> Skin	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 325 mg/m <sup>3</sup> STEL: 250 ppm

**Engineering Measures**

Showers

Eyewash stations

Ventilation systems.

**Personal Protective Equipment**

**Eye/Face Protection** Tightly fitting safety goggles.

**Skin and Body Protection** Wear protective gloves/clothing.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical State** Liquid**Solubility** N/A**Flash Point** N/A**Evaporation Rate** N/A**Vapor Density** N/A**Autoignition Temperature** N/A**Boiling Point/Range** N/A**Odor** N/A**Explosion Limits** N/A**Flammability Limits in Air** N/A**10. STABILITY AND REACTIVITY**

**Stability** Stable under recommended storage conditions.

**Incompatible Products** Strong oxidizing agents.

**Conditions to Avoid** Protect from light.

**Hazardous Decomposition Products** Hydrogen chloride gas.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

**Product Information** Irritating to eye, skin and respiratory system. Toxic by inhalation, in contact with skin and if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Methyl alcohol	5628 mg/kg ( Rat )	15800 mg/kg ( Rabbit )	64000 ppm ( Rat ) 4 h 83.2 mg/L ( Rat ) 4 h

### Chronic Toxicity

**Chronic Toxicity** Suspected Teratogen. Possible risk of impaired fertility.

**Target Organ Effects** Eyes, Kidney

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Harmful to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Methyl alcohol		LC50= 13200 mg/L Oncorhynchus mykiss 96 h LC50= 28100 mg/L Pimephales promelas 96 h	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	

Chemical Name	Log Pow
Methyl alcohol	= -0.77

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of material in accordance with all federal, state, and local regulations.

**Contaminated Packaging** Dispose of in accordance with all federal, state and local regulations.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - U Series Wastes
Methyl alcohol - 67-56-1					U154

*Chemical Name* Methyl alcohol *California Hazardous Waste Status*  
Toxic; Ignitable

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IATA** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA** Complies

**DSL** Complies

**EINECS/ELINCS** Complies

**ENCS** Complies

**IECSC** Complies

**KECL** Complies

**PICCS** Complies

**AICS** Complies

### U.S. Federal Regulations

**SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Methyl alcohol	67-56-1	5-10	1.0

### SARA 311/312 Hazard Categories

**Acute Health Hazard** Yes

**Chronic Health Hazard** Yes

**Fire Hazard** No

**Sudden Release of Pressure Hazard** No

**Reactive Hazard** No

**Clean Water Act:** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61):** This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act..

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Methyl alcohol	67-56-1	5-10	Present	Group IV		

**CERCLA**

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Methyl alcohol	5000 lb	

**U.S. State Regulations**

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Methyl alcohol	X	X	X	X	X

**International Regulations**

**Mexico - Grade** No information available.

Chemical Name	Carcinogen Status	Exposure Limits
Methyl alcohol		Mexico: TWA= 200 ppm Mexico: TWA= 260 mg/m <sup>3</sup> Mexico: STEL= 250 ppm Mexico: STEL= 310 mg/m <sup>3</sup>

**Canada**

**WHMIS Hazard Class:** Not determined

<u>Chemical Name</u>	<u>NPRI</u>
Methyl alcohol	X

**16. OTHER INFORMATION**

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

4/19/2011