



BCS FLUIDS, LLC

SAFETY DATA SHEET

1. Identification

PRODUCT IDENTIFIER	BOREVERT II
RECOMMENDED USE	NOT AVAILABLE
RECOMMENDED RESTRICTIONS	NOT AVAILABLE
MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION	

COMPANY NAME	BCS Fluids, LLC
COMPANY ADDRESS	P.O. Box 1120 MANDVILLE, LA 70471
TELEPHONE	985-893-6600
EMERGENCY PHONE	855-BCS-Fluids
WEBSITE	www.BCSFluids.com

2. Hazards Identification

EMERGENCY OVERVIEW:

WARNING: The health hazards of this product should be low under normal industrial and commercial uses. This product will burn when exposed to heat, spark, or flames. After prolonged contact with porous materials, this product may spontaneously oxidize (combust).

GHS HAZARD Symbols: IRRITANT



GHS HAZARD STATEMENTS:

H314 - Causes skin irritation.

GHS PRECAUTIONARY STATEMENTS:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

PERSONAL PROTECTIVE EQUIPMENT RECOMMENDATIONS:

Gloves, Apron, FACE Shield



EYE:

CAUSES EYE IRRITATION. AVOID EYE CONTACT. IRRITATING VAPORS MAY BE FORMED WHEN PRODUCT IS PROCESSED AT HIGH TEMPERATURES. EXPOSURE TO HOT MATERIAL MAY CAUSE THERMAL BUMS. IF HEATED MATERIAL CONTACTS EYE, SEEK MEDICAL ATTENTION IMMEDIATELY FOR THERMAL BUM TREATMENT.

SKIN:

CAUSES SKIN IRRITATION. AVOID SKIN CONTACT. CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BUMS. FREQUENT OR PROLONGED CONTACT MAY IRRITATE THE SKIN AND CAUSE A SKIN RASH (DERMATITIS) IN SUSCEPTIBLE INDIVIDUALS. MAINTAIN GOOD HYGIENE PRACTICES.

INHALATION:

IRRITATING VAPORS MAY BE FORMED WHEN PRODUCT IS PROCESSED AT HIGH TEMPERATURES. AVOID BREATHING VAPORS OR MISTS. SHORT-TERM INHALATION OF VAPORS MAY CAUSE DIZZINESS, NAUSEA, AND RESPIRATORY TRACT CONGESTION IN SOME INDIVIDUALS. SINGLE EXPOSURE IS NOT EXPECTED TO CAUSE ACUTE TOXICITY.

INGESTION:

INGESTION OF LARGE AMOUNTS IS UNLIKELY. INGESTION OF SMALL AMOUNTS IS NOT LIKELY TO CAUSE ACUTE TOXICITY OR INTERNAL DAMAGE.

CHRONIC EFFECTS:

PROLONGED EXPOSURE TO VAPORS OR FUMES GENERATED BY HEATING OF THIS PRODUCT MAY LEAD TO RESPIRATORY IRRITATION WITH THROAT DISCOMFORT, COUGHING OR BREATHING DIFFICULTY. REPEATED EXPOSURE MAY LEAD TO RESPIRATORY SENSITIZATION (ASTHMA).

CARCINOGENICITY INFORMATION: NO KNOWN CANCER HAZARDS.

3. Composition/info on Ingredients

COMPONENT LISTING:

	AMOUNT	CAS Number
2-BUTOXYETHANOL	< 10.0 %	111-76-2
BUTYL CARBITOL	< 10.0 %	112-34-5

This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under SARA 311 and 312, this product contains no known hazardous materials.

4. First Aid Measures

EYE CONTACT FIRST AID:

Immediately flush eyes with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation

SKIN CONTACT FIRST AID:

develops or persists. If molten product contacts eyes, flush with water for at least 15 minutes and seek medical attention.

Remove contaminated clothing and shoes. Wash skin with soap and water. Do not reuse contaminated clothing without laundering. If molten product contacts skin, cool under running stream of water. Do not attempt to remove from skin. Removal could result in severe skin damage. Get medical attention.

NOTES TO PHYSICIAN:

Material should not be forcibly pulled from skin. Mineral oil may be used to loosen the material, then provide treatment as required for thermal burn.

INHALATION FIRST AID:

Remove to fresh air. Restore breathing. Seek medical attention.

INGESTION FIRST AID:

Product is not considered to be toxic in small amounts. Obtain medical treatment if large amounts are swallowed.

NOTES TO PHYSICIAN:

The decision whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. No specific antidote. If bum is present, treat as any thermal burn. Specific treatment must be based on judgment of the physician in response to reactions of the patient.

5. Fire Fighting Measures

FLAMMABLE PROPERTIES

TCC Flash Point:

> 100.0 C (> 212.0 F)

Autoignition Temperature:

N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A UEL:

N/A

EXTINGUISHING MEDIA:

Use water spray to cool fire exposed containers. Use carbon dioxide, dry chemical or water spray to extinguish fires.

FIRE & EXPLOSION HAZARDS:

Can bum in fire, releasing toxic vapors. No known unusual hazards in a fire/explosion situation.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate area and fight fire from a safe distance.

COMBUSTION PRODUCTS:

When product is heated to decomposition, product will emit acrid dense smoke with carbon dioxide, carbon monoxide, trace oxides of sulfur, water and other products of combustion; possibly including formaldehyde.

6. Accidental Release Measures

SAFEGUARDS (PERSONNEL):

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Protect skin and eyes from exposure. Wear appropriate personal protective equipment.

INITIAL CONTAINMENT:

ELIMINATE ALL SOURCES OF IGNITION - HEAT, SPARKS, FLAME, ELECTRICITY, AND IMPACT. SHUT OFF LEAK IF SAFE TO DO SO. CONTAIN SPILLED MATERIAL.

LARGE SPILLS PROCEDURE:

CONTAIN SPILLED LIQUID WITH SAND OR EARTH. ABSORB SPILL WITH INERT MATERIAL (E.G., DRY SAND OR EARTH), THEN PLACE IN DISPOSAL CONTAINER. DISPOSE OF WASTE MATERIAL IN ACCORDANCE WITH ALL LOCAL, STATE/PROVINCIAL, AND NATIONAL REQUIREMENTS.

SMALL SPILLS PROCEDURE:

ABSORB SPILLS WITH INERT MATERIAL. DISPOSE OF WASTE MATERIAL IN ACCORDANCE WITH ALL LOCAL, STATE/PROVINCIAL, AND NATIONAL REQUIREMENTS.

7. Handling and Storage

HANDLING (PERSONNEL):

EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED, AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.

WHEN SAMPLING CONTAINERS USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

HANDLING (PHYSICAL ASPECTS):

Avoid EXTREME TEMPERATURES.

STORAGE PRECAUTIONS:

KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE. CONTROL INVENTORY BY USING OLDEST MATERIAL FIRST. SUGGEST STAINLESS STEEL CONSTRUCTION FOR BULK STORAGE BUT MILD STEEL IS ACCEPTABLE.

MISCELLANEOUS:

MAINTAIN good housekeeping.

8. Exposure Controls/ Personal Protection

ENGINEERING CONTROLS:

Good GENERAL VENTILATION should be sufficient to control airborne levels.

EYE / FACE PROTECTION REQUIREMENTS :

WHEN splashing of the material may occur, chemical goggles and a face shield are recommended. This material does not have established exposure limits. WEAR safety glasses.

SKIN PROTECTION REQUIREMENTS:

FOR brief contact, nonnal work attire should be sufficient. When material is heated, wear gloves to protect against thermal burns.

RESPIRATORY PROTECTION REQUIREMENTS:

UNDER nonnal use conditions, with adequate ventilation, no special handling equipment is required.

MISCELLANEOUS:

MAINTAIN good personal hygiene.

EXPOSURE GUIDELINES:

2-BUTOXYETHANOL

OSHA PEL: 25 ppm, 120 mg/m³

OSHA TWA: 25 ppm

ACGIH TWA: 25 ppm

9. Physical and Chemical Properties

Appearance	Viscous Liquid.
Physical State	Liquid.
Color	Brown.
Odor	Not Available.
Odor Threshold	Not Available.
pH	Not Available.
Melting point/freezing point	Not Available.
Initial boiling point and boiling range	Not Available.
Flash point	Not Available.
Evaporation rate	Not Available.
Flammability (solid, gas)	Not Available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not Available.
Flammability limit - upper (%)	Not Available.
Explosive limit - lower (%)	Not Available.
Explosive limit - upper (%)	Not Available.
Vapor pressure	Not Available.
Vapor density	Not Available.
Density	Not Available.
Solubility(ies)	
Solubility (water)	Not Soluble.
Partition coefficient (n-octanol/water)	Not Available.
Auto-ignition temperature	Not Available.
Decomposition temperature	Not Available.
Specific Gravity	.940
Viscosity	Not Available.
Explosive properties	Powdered material may form explosive dust-air mixtures
Oxidizing Properties	No information available
Bulk Density	No data available

10. Stability and Reactivity

STABILITY:	Stable.
POLYMERIZATION:	Hazardous polymerization will not occur.
INCOMPATIBILITY WITH OTHER MATERIALS:	Avoid contact with strong oxidizing agents.
DECOMPOSITION:	Decomposition may produce nonnal products of combustion such as fumes, smoke, oxides of carbon and hydrocarbons.

11. Toxicology Information

Information on likely routes of exposure

Inhalation: **No data available.**

EYE CONTACT:	No data available.
SKIN CONTACT:	No data available.
INGESTION	No data available.

12. Ecological Information

PRODUCT INFORMATION	THERE IS NO DATA AVAILABLE FOR THIS PRODUCT
ECOTOXICITY	THE ENVIRONMENTAL IMPACT OF THIS PRODUCT HAS NOT BEEN FULLY INVESTIGATED.
PERSISTENCE AND DEGRADABILITY:	NO DATA AVAILABLE
BIOACCUMULATIVE POTENTIAL:	NO DATA AVAILABLE
MOBILITY:	NO INFORMATION AVAILABLE
GENERAL NOTE:	DO NOT ALLOW PRODUCT TO REACH GROUND WATER, WATER COURSE OR SEWAGE SYSTEM.

13. Disposal Considerations

WASTE TREATMENT METHODS	
WASTE FROM RESIDUES /UNUSED PRODUCTS	DO NOT CONTAMINATE PONDS, WATERWAYS OR DITCHES WITH CHEMICAL OR USED CONTAINER. Dispose of in accordance with Local and National regulations
CONTAMINATED PACKAGING	EMPTY CONTAINERS SHOULD BE TAKEN FOR LOCAL RECYCLING, RECOVERY OR WASTE DISPOSAL
WASTE DISPOSAL:	INCINERATION IS RECOMMENDED. Bury in landfill in accordance with all applicable regulations as an alternative. Dispose of waste material in accordance with all local, state/provincial, and national requirements. Uncleaned empty containers should be disposed of in the same manner as the contents.

14. Transport Information

PRODUCT LABEL:	PINEMUL 201
D.O.T. SHIPPING NAME:	ELEVATED TEMPERATURE Liquid
TECHNICAL SHIPPING NAME:	N/A
D.O.T. HAZARD CLASS:	9
UN NUMBER:	UN 3257
D.O.T. LABEL:	N/A
D.O.T. PLACARD:	HOT
BULK CLASS:	N/A
PACKAGE CLASS:	N/A
MISCELLANEOUS:	THESE REGULATIONS apply only when this product is shipped at a temperature of 100°C OR ABOVE. This product is NOT REGULATED when shipped under 100°C.

15. REGULATORY INFORMATION

REGULATORY DISCLOSURES:

FDA: NOT REGULATED. USDA: NOT REGULATED. CPSC: NOT REGULATED.
TSCA: ALL COMPONENTS ARE LISTED ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY.

DOT: SEE SECTION 14.

OSHA: This product is NOT CONSIDERED HAZARDOUS by OSHA STANDARDS.

CERCLA (40 CFR 302.4) REPORTABLE QUANTITY: NOT REGULATED.

SARA Title III :

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: NONE
SECTION 313 TOXIC CHEMICALS: NONE.
SECTION 311 / 312 HAZARDOUS CATEGORIES: NONE

RCRA STATUS: If discarded in purchased form, this product would NOT be a HAZARDOUS WASTE by listing or characteristic. HOWEVER, UNDER RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a HAZARDOUS WASTE.

CANADIAN DISCLOSURE LIST BUTYL CARBITOL (1 12-34-5)

16. OTHER INFORMATION

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DISCLAIMER THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET 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 GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED 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 MATERIALS OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT.