

# **BCS FLUIDS, LLC**

## 1. Identification

PRODUCT IDENTIFIER BOREVIS XL (XCD polymer)

RECOMMENDED USE NOT AVAILABLE
RECOMMENDED RESTRICTIONS NOT AVAILABLE

MANUfacturer/Importer/Supplier/Distributor information

COMPANY NAME BCS Fluids, LLC
COMPANY Address P.O. Box 1120

Mandeville, LA 70471

Telephone 985-893-6600
Emergency Phone 855-BCS-Fluids
Website www.BCSFluids.com

## 2. Hazard(s)identification

Physical hazards Not classified.

HEALTH HAZARDS SENSITIZATION, Skin CATEGORY 1A.

OSHA defined hazards Combustible dust.

LABEL ELEMENTS HAZARD

syмbol

 $\Diamond$ 

Signal word WARNING

HAZARD STATEMENT(S)

May cause an allergic skin reaction.

May form combustible dust concentrations in air.

PRECAUTIONARY STATEMENT(5)

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.

GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT. AVOID BREATHING DUST. CONTAMINATED WORK CLOTHING MUST NOT BE ALLOWED OUT OF THE WORKPLACE. WEAR PROTECTIVE GLOVES. PREVENT DUST ACCUMULATION TO MINIMIZE EXPLOSION HAZARD. Observe GOOD INDUSTRIAL HYGIENE PRACTICES.

RESPONSE If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/ attention.

Specific treatment (see on this label). Take off contaminated clothing and wash before reuse. In case

of fire: Use appropriate media to extinguish.

STORAGE STORE AWAY FROM INCOMPATIBLE MATERIALS.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise

classified (HNOC)

None known.

### 3. Composition/information on ingredients

#### Substances

HAZARdous components

CHEMICAL NAME CAS NUMBER

 Xanthan qum
 11138-66-2

 Glyoxal
 107-22-2

4. First-Aid MEASURES

Move to fresh air. Call a physician if symptoms develop or persist. INHALATION

REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH SKIN WITH SOAP AND WATER. IN CASE OF ECZEMA Skin CONTACT

or other skin disorders: Seek medical attention and take along these instructions.

Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists. EVE CONTACT

Ingestion Rinse mouth. If ingestion of a large amount does occur, call a poison control center

immediately.

Most important symptoms/effects,

ACUTE AND DELAYED

Indication of immediate medical ATTENTION AND SPECIAL TREATMENT

GENERAL INFORMATION

5. Fire-fighting MEASURES

Suitable extinguishing media

Unsuitable extinguishing MEdia

Specific hazards arising from the CHEMICAL

Special protective equipment and precautions for firefighters

Fire-fighting **EQUIPMENT/INSTRUCTIONS** 

GENERAL FIRE HAZARDS

Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction. DERMATITIS. RASH.

Provide General supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

Avoid CREATING AIRBORNE dust.

Do not use water jet as an extinguisher, as this will spread the fire.

protect themselves. Wash contaminated clothing before reuse.

Explosion Hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in THE PRESENCE OF AN IGNITION SOURCE IS A POTENTIAL DUST EXPLOSION HAZARD. DURING FIRE, GASES HAZARDOUS TO HEALTH MAY bE formed.

WATER FOG. FOAM. DRY CHEMICAL POWDER. CARBON DIOXIDE (CO2). Apply extinguishing media carefully to

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so

May form combustible dust concentrations in air.

#### 6. Accidental release measures

Personal precautions, PROTECTIVE EQUIPMENT AND **EMERGENCY PROCEDURES** 

Use only non-sparking tools. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate PROTECTIVE EQUIPMENT AND CLOTHING DURING CLEAN-UP. AVOID INHALATION OF DUST. USE A NIOSH/MSHA Approved respirator if there is a risk of exposure to dust/ fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for CONTAINMENT AND CLEANING UP

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

LARGE Spills: Stop the flow of material, if this is without risk. If sweeping of a contaminated area is NECESSARY USE A DUST SUPPRESSANT AGENT WHICH DOES NOT REACT WITH THE PRODUCT. DIKE FAR AHEAD OF SPILL for later disposal. Sweep up or vacuum up spillage and collect in suitable container for disposal.

Small Spills: Collect dust using a vacuum cleaner equipped with HEPA filter.

NEVER RETURN SPILLS IN ORIGINAL CONTAINERS FOR RE-USE. FOR WASTE DISPOSAL, SEE SECTION 13 OF THE MSDS.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

PRECAUTIONS FOR SAFE HANDLING

KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING. MINIMIZE DUST GENERATION AND ACCUMULATION. ROUTINE HOUSEKEEPING SHOULD be INSTITUTED TO ENSURE THAT DUSTS DO NOT ACCUMULATE ON surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Use explosion-proof equipment. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

KEEP CONTAINER TIGHTLY CLOSED. STORE IN A WELL-VENTILATED PLACE. STORE AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10 of the MSDS).

### 8. Exposure controls/personal protection

Occupational exposure limits

US.	ACG	Ή	Threshold	Limit	VALUES
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Components	Турє	Value	Form
Glyoxal (CAS 107-22-2)	TWA	0.1 му/м3	Inhalable fraction and vapor.
US. AIHA Workplace Environmental	Exposure Level (WEEL) Guides		
Components	Турє	Value	Form
Glyoxal (CAS 107-22-2)	TWA	0.1 мq/м3	Inhalable fraction and vapor.
		0.042 ррм	Inhalable fraction and vapor.

Biological limit values Appropriate engineering controls

No biological exposure limits noted for the ingredient(s).

Explosion-proof General and local exhaust ventilation. Good General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE levels below recommended exposure limits. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable RESPIRATORY PROTECTION MUST be WORN.

Individual protection measures, such as personal protective equipment

Eye/face protection If contact is likely, safety glasses with side shields (or goggles) are recommended.

Skin protection

HAND PROTECTION For prolonged or repeated skin contact use suitable protective gloves.

OTHER WEAR APPROPRIATE CHEMICAL RESISTANT CLOTHING. USE OF AN IMPERVIOUS APRON IS RECOMMENDED.

RESPIRATORY PROTECTION If engineering controls do not maintain airborne concentrations below recommended exposure limits

(where applicable) or to an acceptable level (in countries where exposure limits have not been

ESTABLISHED), AN APPROVED RESPIRATOR MUST BE WORN.

Thermal hazards

WEAR APPROPRIATE THERMAL PROTECTIVE CLOTHING, WHEN NECESSARY.

GENERAL HYGIENE considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as

washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

#### 9. Physical and chemical properties

**Appearance** 

Physical STATE Solid.
FORM Powder.
Color White TO TAN.
Odor Odorless. Not
Odor threshold Available.

pH Approximately neutral (1% solution).

Melting point/freezing point Not available.

Initial boiling point and boiling Not available.

RANGE

Flash point

Evaporation rate

Not applicable

Flammability (solid, qas)

Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

NOT AVAILABLE.

(%)

Explosive limit - lower (%)

Explosive limit - upper (%)

Not available.

Vapor pressure

Vapor density

Relative density

Solubility(ies)

Not available.

Soluble.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not applicable.

## 10. Stability and REACTIVITY

REACTIVITY CHEMICAL

The product is stable and non-reactive under normal conditions of use, storage and transport.

stability Material is stable under normal conditions.

Possibility of hazardous Hazardous polymerization does not occur.

REACTIONS

Conditions to avoid KEEP away from HEAT, SPARKS AND OPEN FLAME. Avoid dispersal of dust in the Air (i.e., clearing dust

surfaces with compressed air). Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

HAZARdous decomposition No HAZARdous decomposition products are known.

products

#### 11. Toxicological information

Information on likely routes of exposure

Ingestion Expected to be a low ingestion Hazard.

INHALATION DUST MAY IRRITATE RESPIRATORY SYSTEM. PROLONGED INHALATION MAY BE HARMFUL.

Skin contact Dust or powder may irritate the skin. May cause an allergic skin reaction.

Eye contact Dust may irritate the eyes.

Symptoms related to the physical, chemical and toxicological characteristics

Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction. Dermatitis.

Rash.

Information on toxicological effects

Acute toxicity May cause an allergic skin reaction.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation. Direct contact with eyes may cause

Serious eye damage/eye

**IRRITATION** 

TEMPORARY IRRITATION.

Respiratory sensitization

ACGIH SENSITIZATION

Glyoxal (CAS 107-22-2) Sensitizer.

RESPIRATORY SENSITIZATION Skin NOT A RESPIRATORY SENSITIZER.

SENSITIZATION May cause an allergic skin reaction.

GERM CELL MUTAGENICITY

No data available to indicate product or any components present at greater than 0.1% are

MUTAGENIC OR GENOTOXIC.

CARCINOGENICITY

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

REPRODUCTIVE TOXICITY

This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

REPEATED EXPOSURE

Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability The product is expected to biodegrade and is not expected to persist for long periods in an aquatic

ENVIRONMENT.

Bioaccumulative potential No data available for this product.

Other adverse effects

No other adverse environmental effects (e.q. ozone depletion, photochemical ozone creation

POTENTIAL, ENDOCRINE DISRUPTION, GLOBAL WARMING POTENTIAL) ARE EXPECTED FROM THIS COMPONENT.

13. Disposal considerations

Disposal instructions

Dispose of contents/container in accordance with local/regional/national/international regulations.

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations

Dispose in accordance with all applicable regulations.

HAZARDOUS WASTE CODE

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

WASTE FROM RESIDUES / UNUSED

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is

EMPTIED. EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR RECYCLING OR DISPOSAL.

### 14. Transport information

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as a dangerous good.

**IMDG** 

Not regulated as a dangerous good.

TRANSPORT IN bulk according to Not applicable.

Annex II of MARPOL 73/78 and

THE IBC Code

#### 15. Regulatory information

US federal regulations

US OSHA

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA 8(b) All components are either on the U.S. EPA TSCA 8b Inventory List or exempted.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

SARA 304 Emergency release notification

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard

categories Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

**SARA 302 Extremely** 

No

HAZARdous SUBSTANCE

SARA 311/312 Hazardous

YES

CHEMICAL

SARA 313 (TRI REPORTING) No

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(R) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

US STATE REGULATIONS

US. California Proposition 65

This product contains no chemicals at levels known to the State of California to cause cancer or reproductive hazards.

## 16. Other information, including date of preparation or last revision

ISSUE DATE 06-01-2015

Revision date

Version # 1.2

REVISION INFORMATION HAZREG DATA: NORTH AMERICA

**GHS:** Classification

FURTHER INFORMATION REFER TO NFPA 654, STANDARD FOR THE PREVENTION OF FIRE AND DUST EXPLOSIONS FROM THE MANUFACTURING,

Processing, and Handling of Combustible Particulate Solids, for safe handling.

References ACGII

IARC Monographs. Overall Evaluation of Carcinogenicity

US. IARC Monographs on Occupational Exposures to Chemical Agents National

Toxicology Program (NTP) Report on Carcinogens

ACGIH DOCUMENTATION OF THE THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES

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 quidance 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.