



SAFETY DATA SHEET

Version 3

Revision date: 18 Feb 2020

1) IDENTIFICATION OF THE SUBSTANCE / AND THE COMPANY / UNDERTAKING

Product Name and Identifier: BorNiGuard (in aerosol can)

UPC Code: 8635930000

Chemical Family: Ceramic-Filled Coating

Use: Welding Anti-Spatter Protection

Manufacturer / Supplier: AllChem LLC

Address: 19250 Tanglewood Drive, North Royalton, OH 44133

Emergency Telephone: 216-302-8217 **Fax:** (815) 717-9645 **Email:** www.BorNiGuard.com

2) HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER

EXTREMELY FLAMMABLE AEROSOL; KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES.
AEROSOL CAN CONTAINS GAS UNDER PRESSURE; MAY EXplode IF HEATED
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

MAIN HAZARDS

Eyes

Skin

Inhalation

Ingestion

HMIS:

HEALTH EFFECTS

May cause irritation and short term redness

Mildly irritating – long term exposure may cause dermatitis

May cause irritation – prolonged exposure may cause headache, nausea, dizziness, incoordination, vomiting

Harmful if swallowed

Health 2

Flammability 4

Reactivity 0

Considered hazardous by OSHA Hazard Communication Standard (29 CFR 1910.1200)

2.1 Classification of substance or mixture:

Classification under CHIP: F+: R12; Xi: R36; -: R66; -: R67

Classification under CLP: Eye Irrit. 2: H319; Flam. Aerosol 1: H222; STOT SE 3: H336; -: H229

Most important adverse effects: Extremely flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

2.2 Label elements:

Hazard statements: H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Signal words: Danger

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark



Precautionary statements:

P102: Keep out of reach of children.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Pressurized container: Do not pierce or burn, even after use.

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

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Label elements under CHIP:

Hazard symbols: Extremely flammable. Irritant.



Risk phrases: R12: Extremely flammable.

R36: Irritating to eyes.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S2: Keep out of the reach of children.

S16: Keep away from sources of ignition - No smoking.

S23: Do not breathe spray.

S24/25: Avoid contact with skin and eyes.

S46: If swallowed, seek medical advice immediately and show this container or label.

S51: Use only in well-ventilated areas.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

2.3 Other Hazards:

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

3) COMPOSITION / INFORMATION OF INGREDIENTS

Hazardous Components

CHEMICAL NAME	CAS#	WT%	CHIP Classification	CLP Classification
Acetone	67-64-1	50-60%	F: R11; Xi: R36; -: R66; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066
Methyl Ethyl Ketone	78-93-3	10-20%	F: R11; Xi: R36; -: R66; -: R67	Flam. Gas 1: H220; Press. Gas: H280
LPG	68476-86-8	10-20%	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280

4) FIRST AID MEASURES

4.1 Description of first aid measures

Eyes Flush with copious amounts of water for 15 min. If irritation continues seek medical advice.

Skin Wash skin with soap and water. Soiled clothing should be dry cleaned before re-use.

Ingestion Do NOT induce vomiting. Drink water. Get medical attention if you feel unwell.

Inhalation If inhaled, remove person to fresh air. Get medical attention if recovery is not rapid and complete..

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Inhalation: No data available.

Delayed / immediate effects: No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

5) FIRE FIGHTING MEASURES

- 5.1 Extinguishing Media Water spray/fog, foam, dry chemical or carbon dioxide.
- 5.2 Unusual fire/explosion Hazards : Contains gas under pressure; can burn/explode with intense heat or flame.
- 5.3 Special fire-fighting procedures : Remain upwind. Avoid breathing smoke. Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6) ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions Isolate the hazard area. Allow entry only to authorized personnel with eye protection, protective clothing, dust respirator, boots, gloves.
- 6.2 Environmental Precautions Keep spills and cleaning runoff out of drains.
- 6.3 Spillage Floors will become slippery. Use care to avoid falling. Eliminate ignition sources. Ventilate the area. Transfer spilled material to suitable containers for recovery or disposal according to Federal, State and local government regulations

7) HANDLING AND STORAGE

- 7.1 Handling Avoid contact with eyes and skin. Ensure adequate ventilation. Adopt best Manual Handling considerations when handling, carrying and dispensing.
- 7.2 Storage Keep in cool, dry, well-ventilated area. Keep containers tightly closed.

8) EXPOSURE CONTROL / PERSONAL PROTECTION

- Engineering measures Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
- Hand Protection PVC or impervious gloves
- Eye Protection Safety glasses with side shields
- Body Protection Normal work wear
- Respiratory Protection Use only in a well-ventilated area
- Environmental Prevent from entering in public sewers or the immediate environment.

Exposure Limit Values:

Hazardous Component	ACGI TLV	OSHA PEL
Acetone	1210 mg/m ³ TWA 8 hr 3620 mg/m ³ STEL 15 minute	1000 ppm (2,400 mg/m ³) TWA
LPG	1800 mg/m ³ TWA 8 hr 7200 mg/m ³ STEL 15 minute	1000 ppm (2,400 mg/m ³) TWA
Methyl Ethyl Ketone	600 mg/m ³ TWA 8 hr 899 mg/m ³ STEL 15 minute	200 ppm (590 mg/m ³) TWA

Personal Protection (HMIS) Wear protective clothing, approved safety goggles.

9) PHYSICAL & CHEMICAL PROPERTIES

- Physical State Aerosol, emits white liquid atomized spray
- Color White
- Odor Sweet smell
- Flash Point -1°C (30°F)
- Boiling Point >55°C (131°F)
- Flammability Product is flammable
- Oxidising properties None
- Solubility in Water Soluble
- Density 0.85 g/cm³ bulk

10) STABILITY & REACTIVITY

Stability Stable under normal conditions
 Conditions to avoid Sources of ignition and extreme temperatures
 Materials to avoid Strong oxidizing agents
 Hazardous Decomposition Products Oxides of carbon, possible smoke and soot.

11) TOXICOLOGICAL INFORMATION

Local effects
 Skin irritation : Possible - mild. Can dry or defat the skin with prolonged exposure.
 Inhalation : Possible respiratory tract irritation, central nervous system effect with nausea, headaches and dizziness.
 Eye contact : Causes serious eye irritation
 Ingestion: Possible cause gastrointestinal tract irritation if swallowed. Possible dizziness, incoordination, headache, nausea, and vomiting

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
LPG	None	No Records
Acetone	Oral LD50 (Mouse) = 5.2 g/kg Oral LD50 (Mouse) = 3,000 mg/kg Oral LD50 (Rabbit) = 5,340 mg/kg Oral LD50 (Rat) = 5,800 mg/kg Oral LD50 (Rat) = 9,800 mg/kg Dermal LD50 (Rabbit) = 20,000 mg/kg Inhalation LC50 (Rat, 4 h) = 76 mg/l	Central nervous system, Irritant
Methyl ethyl ketone	Oral LD50 (Mouse) = 670 mg/kg Oral LD50 (Rat) = 2,300 - 3,500 mg/kg Oral LD50 (Rat) = 4,500 - 6,800 mg/kg Dermal LD50 (Rabbit) = > 8,000 mg/kg Inhalation LC50 (Rat, 4 h) = 11700 ppm	Irritant, Central nervous system

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Acetone	No	No	No
MEK	No	No	No
LPG	No	No	No

12) ECOLOGICAL INFORMATION

Possible Effects Possible marine pollutant
 Environmental impact: Readily biodegradable. Negligible Eco toxicity.

12.1 Toxicity

Hazardous ingredients: ACETONE

BLUEGILL (<i>Lepomis macrochirus</i>)	LC50	8300	mg/l
---	------	------	------

12.2 Persistence and degradability – no data available

12.3 Bioaccumulative potential – no data available

12.4 Mobility in soil – no data available

12.5 Results of PBT and vPvM assessment – no data available

12.6 Other adverse effects – no data available

13) DISPOSAL CONSIDERATIONS

Dispose of in compliance with all Federal, State and local regulations. Hazardous waste number RCRA ignitable waste, D001.

14) TRANSPORT INFORMATION

US DOT Ground (49 CFR) Class 2.1 UN No. 1950. Packing Group – None. Proper shipping name – Aerosols. DOT reportable quantities – acetone, methyl ethyl ketone
DOT Surface: Limited quantity

Water Transportation (IMO/IMDG) Proper shipping name – Aerosols Class 2.1 REACTIVITY (Yellow):
NFPA: ND HMIS:0 ID# UN1950. Packing Group – None.

15) REGULATORY INFORMATION

Labelling Information Flame (highly flammable), Exclamation Mark (irritant)
Risk Phrases R11 Highly Flammable, R36/66 Irritation to eyes and skin, R67 Vapours may cause drowsiness and dizziness.
Safety Phrases S9 - Keep container in well ventilated space. S16 - Keep away from sources of ignition. S23 – Do not breath spray / mist. S24 - Avoid contact with skin. S60 - Dispose as hazardous waste.

United States Regulatory Information:

TSCA 8(b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory

TSCA 12(b) Export Notif.: None above reporting de minimus.
CERCLA/SARA Section 302 EHS: None above reporting de minimus.
CERCLA/SARA Section 311/312: Immediate Health, Fire
CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Methyl ethyl ketone (CAS# 78-93-3)
CERCLA Reportable quantity: Acetone (CAS# 67-64-1) 5,000 lbs (2,270 kg)
Methyl ethyl ketone (CAS# 78-93-3) 5,000 lbs (2,270 kg)

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information:

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substance List

WHMIS hazard class: A, B, 1, D.2.B

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16) ADDITIONAL INFORMATION

Date of Issue: 18 Feb 2020

Prepared by: Allchem LLC Safety & Compliance Mgr email: leonard.allison@allchemllc.com

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.
H220: Extremely flammable gas.
H222: Extremely flammable aerosol.
H225: Highly flammable liquid and vapour.
H229: Pressurised container: May burst if heated
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
R11: Highly flammable.
R12: Extremely flammable.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

DOCUMENT ENDS