## SAFETY DATA SHEET

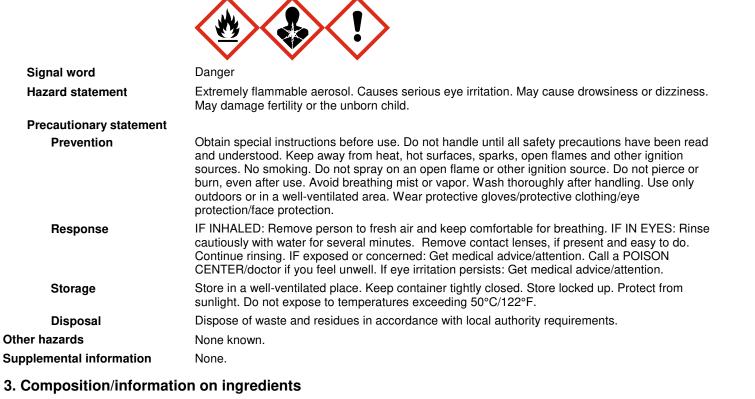
### 1. Identification

369G BORONNITRIDE SPRAY		
MK-hBN-SP		
Lubricant		
None known.		
Distributor information		
M K Impex Corp.		
6382 Lisgar Drive		
Mississauga, ONTARIO L5N 6	X1	
Canada		
General Assistance 1-416-509-4462		
Not available.		
Emergency - Canada	1-613-996-6666	
Not available.		
	MK-hBN-SP Lubricant None known. <b>Distributor information</b> M K Impex Corp. 6382 Lisgar Drive Mississauga, ONTARIO L5N 62 Canada General Assistance Not available. Emergency - Canada	

### 2. Hazard(s) identification

Physical hazards	Flammable aerosols	Category 1
Health hazards	Serious eye damage/eye irritation	Category 2A
	Reproductive toxicity	Category 1
	Specific target organ toxicity, single exposure	Category 3 narcotic effects

#### Label elements



### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Acetone		67-64-1	30 - 60
Ethyl Alcohol		64-17-5	15 - 40
Isobutane		75-28-5	10 - 30
Propane		74-98-6	10 - 30
Butyl Benzyl Phthalate		85-68-7	0.1 - 1
Mineral Spirits		8052-41-3	0.1 - 1
Other components below reportable	levels		10 - 30

Other components below reportable levels

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
5. Fire-fighting measures	

#### Alcohol resistant foam. Powder. Carbon dioxide (CO2). Suitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire. Unsuitable extinguishing media Contents under pressure. Pressurized container may explode when exposed to heat or flame. Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical Special protective equipment Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. and precautions for firefighters Move containers from fire area if you can do so without risk. Containers should be cooled with Fire fighting water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose equipment/instructions holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Use standard firefighting procedures and consider the hazards of other involved materials. Move Specific methods containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes. Extremely flammable aerosol. General fire hazards

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. 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	Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid contact with eyes. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Level 3 Aerosol. Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

### 8. Exposure controls/personal protection

# Occupational exposure limits

Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Ethyl Alcohol (CAS 64-17-5)	STEL	1000 ppm	
Isobutane (CAS 75-28-5)	STEL	1000 ppm	
Mineral Spirits (CAS 8052-41-3)	TWA	100 ppm	

### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	1800 mg/m3	
		750 ppm	
	TWA	1200 mg/m3	
		500 ppm	
Ethyl Alcohol (CAS 64-17-5)	TWA	1880 mg/m3	
		1000 ppm	
Mineral Spirits (CAS 8052-41-3)	TWA	572 mg/m3	
		100 ppm	
Propane (CAS 74-98-6)	TWA	1000 ppm	

## Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Ethyl Alcohol (CAS 64-17-5)	STEL	1000 ppm	
Mineral Spirits (CAS 8052-41-3)	STEL	580 mg/m3	
	TWA	290 mg/m3	
Canada. Manitoba OELs (Reg. 217	/2006, The Workplace Safety	And Health Act)	
Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	500 ppm	
		250 nnm	

SIEL	500 ppm	
TWA	250 ppm	
STEL	1000 ppm	
STEL	1000 ppm	
TWA	100 ppm	
	TWA STEL STEL	TWA250 ppmSTEL1000 ppmSTEL1000 ppm

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) Components Type V

Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
Ethyl Alcohol (CAS 64-17-5)	STEL	1000 ppm	
Isobutane (CAS 75-28-5)	TWA	800 ppm	
Mineral Spirits (CAS 8052-41-3)	TWA	100 ppm	

## Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	2380 mg/m3	
		1000 ppm	
	TWA	1190 mg/m3	
		500 ppm	
Ethyl Alcohol (CAS 64-17-5)	TWA	1880 mg/m3	
		1000 ppm	
Mineral Spirits (CAS 8052-41-3)	TWA	525 mg/m3	
		100 ppm	
Propane (CAS 74-98-6)	TWA	1800 mg/m3	
		1000 ppm	

### **Biological limit values**

ACGIH Biological Expos	sure Indices			
Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/l	Acetone	Urine	*
* - For sampling details, p	lease see the sour	ce document.		
Appropriate engineering controls	should be ma or other engi	atched to conditions. If an neering controls to maint its have not been establis	oplicable, use pro ain airborne leve	hour) should be used. Ventilation rates ocess enclosures, local exhaust ventilation, els below recommended exposure limits. If irborne levels to an acceptable level. Provide
Individual protection measu	res, such as pers	onal protective equipme	ent	
Eye/face protection	Chemical res	pirator with organic vapo	or cartridge and f	ull facepiece.
Skin protection				
Hand protection	Wear approp supplier.	priate chemical resistant (	gloves. Suitable	gloves can be recommended by the glove

Other	Wear suitable protective clothing. Use of an impervious apron is recommended.

**Respiratory protection** Chemical respirator with organic vapor cartridge and full facepiece.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene<br/>considerationsObserve any medical surveillance requirements. When using do not smoke. Always observe good<br/>personal hygiene measures, such as washing after handling the material and before eating,<br/>drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove<br/>contaminants.

### 9. Physical and chemical properties

Appearance

Liquid.
Aerosol.
Not available.
95.6 °F (35.33 °C) estimated

Flash point	-245.2 °F (-154.0 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	2.8 % estimated
Flammability limit - upper (%)	12 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	784.49 °F (418.05 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Flammability class	Flammable IA estimated
Heat of combustion	27.46 kJ/g estimated
Oxidizing properties	Not oxidizing.
Percent volatile	96.69 % estimated
Specific gravity	0.651 estimated
VOC (Weight %)	93.28 % estimated

### 10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Nitrates. Fluorine. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

### 11. Toxicological information

### Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting.	
Skin contact	No adverse effects due to skin contact are expected.	
Eye contact	Causes serious eye irritation.	
Ingestion	Expected to be a low ingestion hazard.	
Symptoms related to the physical, chemical and toxicological characteristics	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.	
Information on toxicological eff	fects	
Acute toxicity	Narcotic effects.	

Compo		Species	Test Results
Acetone	e (CAS 67-64-1)		
	<u>Acute</u>		
	Dermal		7/00 // 0///
	LD50	Guinea pig	> 7426 mg/kg, 24 Hours
			> 9.4 ml/kg, 24 Hours
		Rabbit	> 7426 mg/kg, 24 Hours
			> 9.4 ml/kg, 24 Hours
	Inhalation		
	LC50	Rat	55700 ppm, 3 Hours
			132 mg/l, 3 Hours
			50.1 mg/l
	Oral		
	LD50	Rat	5800 mg/kg
			2.2 ml/kg
Butyl Be	enzyl Phthalate (CAS 85	-68-7)	
	<u>Acute</u>		
	Oral		
	LD50	Mouse	4170 mg/kg
		Rat	2330 mg/kg
Ethyl Ale	cohol (CAS 64-17-5)		
	<u>Acute</u>		
	Inhalation		
	LC50	Cat	85.41 mg/l, 4.5 Hours
			43.68 mg/l, 6 Hours
		Mouse	> 60000 ppm
			79.43 mg/l, 134 Minutes
		Rat	> 115.9 mg/l, 4 Hours
			51.3 mg/l, 6 Hours
	Oral		
	LD50	Monkey	6000 mg/kg
		Mouse	10500 ml/kg
		Pig	> 5000 mg/kg
		Rat	10470 mg/kg
			7800 ml/kg
Isobutar	ne (CAS 75-28-5)		-
	Acute		
	Inhalation		
	LC50	Mouse	1237 mg/l, 120 Minutes
			52 %, 120 Minutes
		Rat	1355 mg/l
Propane	e (CAS 74-98-6)		-
•	Acute		
	Inhalation		
	LC50	Mouse	1237 mg/l, 120 Minutes
			52 %, 120 Minutes
		Rat	1355 mg/l
			-

Components	Species	Test Results
		658 mg/l/4h
* Estimates for product may b	pe based on additional com	nponent data not shown.
Skin corrosion/irritation	Prolonged skin contact r	may cause temporary irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitizatio	n	
<b>Respiratory sensitization</b>	Not a respiratory sensiti	zer.
Skin sensitization	This product is not expe	cted to cause skin sensitization.
Germ cell mutagenicity	No data available to indi mutagenic or genotoxic.	icate product or any components present at greater than 0.1% are
Carcinogenicity	Risk of cancer cannot be	e excluded with prolonged exposure.
ACGIH Carcinogens		
Acetone (CAS 67-64-1)		A4 Not classifiable as a human carcinogen.
Canada - Manitoba OELs: c	arcinogenicity	
ACETONE (CAS 67-64- ETHANOL (CAS 64-17-5		Not classifiable as a human carcinogen. Confirmed animal carcinogen with unknown relevance to humans.
IARC Monographs. Overall	<b>Evaluation of Carcinoger</b>	nicity
Butyl Benzyl Phthalate (0	CAS 85-68-7)	3 Not classifiable as to carcinogenicity to humans.
Reproductive toxicity	May damage fertility or t	he unborn child.
Specific target organ toxicity - single exposure	May cause drowsiness a	and dizziness.
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard	d.
Chronic effects	Prolonged exposure ma	y cause chronic effects.

### 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.

Components		Species	Test Results
Acetone (CAS 67-64-1	1)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Butyl Benzyl Phthalate	e (CAS 85-68-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 0.96 mg/l, 48 hours
Fish	LC50	Shiner perch (Cymatogaster aggregata)	0.47 - 0.56 mg/l, 96 hours
Ethyl Alcohol (CAS 64	-17-5)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	7700 - 11200 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100.1 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

### **Bioaccumulative potential**

Partition coefficient n-octanol / water	r (log Kow)	
Acetone	-0.24	
Butyl Benzyl Phthalate	4.91	
Ethyl Alcohol	-0.31	
Isobutane	2.76	
Mineral Spirits	3.16 - 7.15	

Partition coefficient n-o	octanol / water (log Kow)
Propane	2.36
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
13. Disposal consideration	ns
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.
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. Do not re-use empty containers.
14. Transport information	

### 14. Transport information

TDG	
UN number	UN1950
UN proper shipping name	AEROSOLS, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
ΙΑΤΑ	
UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	No.
ERG Code	10L
	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed with restrictions.
aircraft	Allowed with restrictions
Cargo aircraft only IMDG	Allowed with restrictions.
UN number	UN1950 AEROSOLS
UN proper shipping name	AEROSOLS
Transport hazard class(es)	0.1
Class	2.1
Subsidiary risk	- None
Label(s)	Not applicable.
Packing group Environmental hazards	Not applicable.
	Na
Marine pollutant EmS	No. F-D. S-U
•	,
Transport in bulk according to	Read safety instructions, SDS and emergency procedures before handling. Not established.
Annex II of MARPOL 73/78 and	างปี ธอเฉมแอแอน.
the IBC Code	

### IATA; IMDG; TDG



Marine pollutant



### 15. Regulatory information

Canadian regulations		
Controlled Drugs and Subs	tances Act	
Not regulated.		
Export Control List (CEPA	1999, Schedule 3)	
Not listed.		
Greenhouse Gases Not listed.		
Precursor Control Regulati	ons	
Acetone (CAS 67-64-1)	Class B	
International regulations		
Stockholm Convention		
Not applicable.		
Rotterdam Convention		
Not applicable.		
Kyoto protocol		
Not applicable.		
Montreal Protocol		
Not applicable. Basel Convention		
Not applicable.		
International Inventories		
	Inventory name	On inventory (yes/no)*
Country(s) or region Australia	Inventory name Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical	No
Ediopo	Substances (EINECS)	
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
	pnents of this product comply with the inventory requirements administered by the components of the product are not listed or exempt from listing on the invento	
16. Other Information		
Issue date	04-13-2021	

issue dute	04 10 2021
Version #	01
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.
Revision information	Product and Company Identification: Alternate Trade Names