

 Close this window

SDS

**Common Name:** BORON NITRIDE MOLD RELEASE 03310

**Manufacturer:** CRC

**SDS Revision Date:** 7/20/2015

**SDS Format:** GHS-US

**Grainger Item Number(s):** 2F127

**Manufacturer Model Number(s):**

## SDS Table of Contents

Click the desired link below to jump directly to that section in the SDS.

- [1. IDENTIFICATION](#)
- [2. HAZARD\(S\) IDENTIFICATION](#)
- [3. COMPOSITION/INFORMATION ON INGREDIENTS](#)
- [4. FIRST-AID MEASURES](#)
- [5. FIRE-FIGHTING MEASURES](#)
- [6. ACCIDENTAL RELEASE MEASURES](#)
- [7. HANDLING AND STORAGE](#)
- [8. EXPOSURE CONTROLS/PERSONAL PROTECTION](#)
- [9. PHYSICAL AND CHEMICAL PROPERTIES](#)
- [10. STABILITY AND REACTIVITY](#)
- [11. TOXICOLOGICAL INFORMATION](#)
- [12. ECOLOGICAL INFORMATION](#)
- [13. DISPOSAL CONSIDERATIONS](#)
- [14. TRANSPORT INFORMATION](#)
- [15. REGULATORY INFORMATION](#)
- [16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION](#)

CRC (R\*)

SAFETY DATA SHEET

## 1. IDENTIFICATION



PRODUCT IDENTIFIER: BORON NITRIDE MOLD RELEASE

OTHER MEANS OF IDENTIFICATION:

PRODUCT CODE: 03310

RECOMMENDED USE: MOLD RELEASE

RECOMMENDED RESTRICTIONS: NONE KNOWN.

MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION:

MANUFACTURED OR SOLD BY:

COMPANY NAME: CRC INDUSTRIES, INC.

ADDRESS:

885 LOUIS DR.

WARMINSTER, PA 18974  
US

TELEPHONE:

GENERAL INFORMATION: 215-674-4300  
TECHNICAL ASSISTANCE: 800-521-3168

CUSTOMER SERVICE: 800-272-4620

24-HOUR EMERGENCY (CHEMTREC):  
800-424-9300 (US)  
703-527-3887 (INTERNATIONAL)

WEBSITE: WWW.CRCINDUSTRIES.COM

## 2. HAZARD(S) IDENTIFICATION



PHYSICAL HAZARDS:

FLAMMABLE AEROSOLS: CATEGORY 1  
GASES UNDER PRESSURE: LIQUEFIED GAS

HEALTH HAZARDS:

ACUTE TOXICITY, ORAL: CATEGORY 4

SKIN CORROSION/IRRITATION: CATEGORY 2

SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 2B

SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE: CATEGORY 1

SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE:  
CATEGORY 3 NARCOTIC EFFECTS

SPECIFIC TARGET ORGAN TOXICITY, REPEATED EXPOSURE: CATEGORY 2

ASPIRATION HAZARD: CATEGORY 1

ENVIRONMENTAL:

HAZARDS HAZARDOUS TO THE AQUATIC ENVIRONMENT, ACUTE HAZARD: CATEGORY 2  
HAZARDOUS TO THE AQUATIC ENVIRONMENT, LONG-TERM HAZARD: CATEGORY 3

OSHA DEFINED HAZARDS: NOT CLASSIFIED.

LABEL ELEMENTS:

FLAME  
GAS CYLINDER  
HEALTH HAZARD  
EXCLAMATION MARK

SIGNAL WORD: DANGER

HAZARD STATEMENT:

EXTREMELY FLAMMABLE AEROSOL. CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED. HARMFUL IF SWALLOWED. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SKIN IRRITATION. CAUSES EYE IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. CAUSES DAMAGE TO ORGANS (EYES) BY INGESTION. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. TOXIC TO AQUATIC LIFE. HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

PRECAUTIONARY STATEMENT:

PREVENTION:

KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING. DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE. DO NOT APPLY WHILE EQUIPMENT IS ENERGIZED.

**PRESSURIZED CONTAINER:**

DO NOT PIERCE OR BURN, EVEN AFTER USE. EXTINGUISH ALL FLAMES, PILOT LIGHTS AND HEATERS. VAPORS WILL ACCUMULATE READILY AND MAY IGNITE. USE ONLY WITH ADEQUATE VENTILATION; MAINTAIN VENTILATION DURING USE AND UNTIL ALL VAPORS ARE GONE. OPEN DOORS AND WINDOWS OR USE OTHER MEANS TO ENSURE A FRESH AIR SUPPLY DURING USE AND WHILE PRODUCT IS DRYING. IF YOU EXPERIENCE ANY SYMPTOMS LISTED ON THIS LABEL, INCREASE VENTILATION OR LEAVE THE AREA. DO NOT BREATHE MIST OR VAPOR. WASH THOROUGHLY AFTER HANDLING. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WEAR PROTECTIVE GLOVES. AVOID RELEASE TO THE ENVIRONMENT.

**RESPONSE:****IF SWALLOWED:**

IMMEDIATELY CALL A POISON CENTER/DOCTOR. RINSE MOUTH. DO NOT INDUCE VOMITING.

IF ON SKIN: WASH WITH PLENTY OF WATER.

**IF SKIN IRRITATION OCCURS:**

GET MEDICAL ATTENTION. TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

**IF IN EYES:**

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

IF EYE IRRITATION PERSISTS: GET MEDICAL ATTENTION.

IF EXPOSED: CALL A POISON CENTER/DOCTOR.

**STORAGE:**

STORE IN A WELL-VENTILATED PLACE. STORE LOCKED UP. PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. F. EXPOSURE TO HIGH TEMPERATURE MAY CAUSE CAN TO BURST.

**DISPOSAL:**

DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL REGULATIONS.

HAZARD(S) NOT OTHERWISE CLASSIFIED (HNOC): NONE KNOWN.

**SUPPLEMENTAL INFORMATION:**

66.2% OF THE MIXTURE CONSISTS OF COMPONENT(S) OF UNKNOWN ACUTE TOXICITY.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****MIXTURES:**

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS NUMBER	%
N-HEPTANE		142-82-5	40 - 50
N-BUTANE		106-97-8	20 - 30
PROPANE		74-98-6	10 - 20
ETHANOL		64-17-5	5 - 10
METHANOL		67-56-1	3 - 5
METHYLCYCLOHEXANE		108-87-2	1 - 3
SOLVENT NAPHTHA (PETROLEUM),		64742-89-8	1 - 3

LIGHT ALIPH.

SPECIFIC CHEMICAL IDENTITY AND/OR PERCENTAGE OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET.

#### 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: REMOVE CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.

##### IF SKIN IRRITATION OCCURS:

GET MEDICAL ADVICE/ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.

##### 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. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS.

##### INGESTION:

CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. RINSE MOUTH. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD LOW SO THAT STOMACH CONTENT DOESN'T GET INTO THE LUNGS. DO NOT USE MOUTH-TO-MOUTH METHOD IF VICTIM INGESTED THE SUBSTANCE. INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE. NEVER GIVE ANYTHING BY MOUTH TO A VICTIM WHO IS UNCONSCIOUS OR IS HAVING CONVULSIONS.

##### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

MAY CAUSE DROWSINESS AND DIZZINESS. HEADACHE. NAUSEA, VOMITING. ASPIRATION MAY CAUSE PULMONARY EDEMA AND PNEUMONITIS. IRRITATION OF EYES. EXPOSED INDIVIDUALS MAY EXPERIENCE EYE TEARING, REDNESS, AND DISCOMFORT. SKIN IRRITATION. MAY CAUSE REDNESS AND PAIN. PROLONGED EXPOSURE MAY CAUSE CHRONIC EFFECTS.

##### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

PROVIDE GENERAL SUPPORTIVE MEASURES AND TREAT SYMPTOMATICALLY. KEEP VICTIM WARM. KEEP VICTIM UNDER OBSERVATION. SYMPTOMS MAY BE DELAYED.

##### GENERAL INFORMATION:

##### IF EXPOSED OR CONCERNED:

GET MEDICAL ADVICE/ATTENTION. 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



##### SUITABLE EXTINGUISHING:

MEDIA WATER FOG. FOAM. DRY CHEMICAL POWDER. CARBON DIOXIDE (CO2).

##### UNSUITABLE EXTINGUISHING MEDIA:

DO NOT USE WATER JET AS AN EXTINGUISHER, AS THIS WILL SPREAD THE FIRE.

##### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

CONTENTS UNDER PRESSURE. PRESSURIZED CONTAINER MAY RUPTURE WHEN EXPOSED TO HEAT OR FLAME. DURING FIRE, GASES HAZARDOUS TO HEALTH MAY BE FORMED.

##### SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

FIREFIGHTERS MUST USE STANDARD PROTECTIVE EQUIPMENT INCLUDING FLAME RETARDANT COAT, HELMET WITH FACE SHIELD, GLOVES, RUBBER BOOTS, AND IN ENCLOSED SPACES, SCBA.

**FIRE-FIGHTING EQUIPMENT/INSTRUCTIONS:****IN CASE OF FIRE:**

STOP LEAK IF SAFE TO DO SO. MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK. CONTAINERS SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILD UP.

**GENERAL FIRE HAZARDS:**

EXTREMELY FLAMMABLE AEROSOL. CONTENTS UNDER PRESSURE. PRESSURIZED CONTAINER MAY RUPTURE WHEN EXPOSED TO HEAT OR FLAME.

**6. ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

KEEP UNNECESSARY PERSONNEL AWAY. KEEP PEOPLE AWAY FROM AND UPWIND OF SPILL/LEAK. KEEP OUT OF LOW AREAS. MANY VAPORS ARE HEAVIER THAN AIR AND WILL SPREAD ALONG GROUND AND COLLECT IN LOW OR CONFINED AREAS (SEWERS, BASEMENTS, TANKS). WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND CLOTHING DURING CLEAN-UP. DO NOT BREATHE MIST OR VAPOR. EMERGENCY PERSONNEL NEED SELF-CONTAINED BREATHING EQUIPMENT. 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:**

ELIMINATE ALL IGNITION SOURCES (NO SMOKING, FLARES, SPARKS, OR FLAMES IN IMMEDIATE AREA). KEEP COMBUSTIBLES (WOOD, PAPER, OIL, ETC.) AWAY FROM SPILLED MATERIAL. THIS MATERIAL IS CLASSIFIED AS A WATER POLLUTANT UNDER THE CLEAN WATER ACT AND SHOULD BE PREVENTED FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS WHICH LEAD TO WATERWAYS. STOP THE FLOW OF MATERIAL, IF THIS IS WITHOUT RISK. 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 RELEASE TO THE ENVIRONMENT. PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. AVOID DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. INFORM APPROPRIATE MANAGERIAL OR SUPERVISORY PERSONNEL OF ALL ENVIRONMENTAL RELEASES.

**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. USE CAUTION AROUND ENERGIZED EQUIPMENT. THE METAL CONTAINER WILL CONDUCT ELECTRICITY IF IT CONTACTS A LIVE SOURCE. THIS MAY RESULT IN INJURY TO THE USER FROM ELECTRICAL SHOCK AND/OR FLASH FIRE. DO NOT BREATHE MIST OR VAPOR. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID PROLONGED EXPOSURE. DO NOT TASTE OR SWALLOW. WHEN USING, DO NOT EAT, DRINK OR SMOKE. SHOULD BE HANDLED IN CLOSED SYSTEMS, IF POSSIBLE. USE ONLY IN WELL-VENTILATED AREAS. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. WASH HANDS THOROUGHLY AFTER HANDLING. OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES. AVOID RELEASE TO THE ENVIRONMENT. FOR PRODUCT USAGE INSTRUCTIONS, PLEASE SEE THE PRODUCT LABEL.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:  
LEVEL 3 AEROSOL.

PRESSURIZED CONTAINER. PROTECT FROM SUNLIGHT AND DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. 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 IN A WELL-VENTILATED PLACE. STORE AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10 OF THE SDS).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



OCCUPATIONAL EXPOSURE LIMITS:

US. OSHA TABLE Z-1 LIMITS FOR AIR CONTAMINANTS (29 CFR 1910.1000):

COMPONENTS	TYPE	VALUE
ETHANOL (CAS 64-17-5)	PEL	1900 MG/M3 1000 PPM
METHANOL (CAS 67-56-1)	PEL	260 MG/M3 200 PPM
METHYLCYCLOHEXANE (CAS 108-87-2)	PEL	2000 MG/M3 500 PPM
N-HEPTANE (CAS 142-82-5)	PEL	2000 MG/M3 500 PPM
PROPANE (CAS 74-98-6)	PEL	1800 MG/M3 1000 PPM

US. ACGIH THRESHOLD LIMIT VALUES:

COMPONENTS	TYPE	VALUE
ETHANOL (CAS 64-17-5)	STEL	1000 PPM
METHANOL (CAS 67-56-1)	STEL TWA	250 PPM 200 PPM
METHYLCYCLOHEXANE (CAS 108-87-2)	STEL TWA	500 PPM 400 PPM
N-BUTANE (CAS 106-97-8)	STEL	1000 PPM
N-HEPTANE (CAS 142-82-5)	STEL TWA	500 PPM 400 PPM

US. NIOSH: POCKET GUIDE TO CHEMICAL HAZARDS

COMPONENTS	TYPE	VALUE
ETHANOL (CAS 64-17-5)	TWA	1900 MG/M3 1000 PPM
METHANOL (CAS 67-56-1)	STEL TWA	325 MG/M3 250 PPM 260 MG/M3 200 PPM
METHYLCYCLOHEXANE (CAS 108-87-2)	TWA	1600 MG/M3 400 PPM

N-BUTANE (CAS 106-97-8)	TWA	1900 MG/M3 800 PPM
N-HEPTANE (CAS 142-82-5)	CEILING	1800 MG/M3 440 PPM
	TWA	350 MG/M3 85 PPM
PROPANE (CAS 74-98-6)	TWA	1800 MG/M3 1000 PPM

## BIOLOGICAL LIMIT VALUES:

## ACGIH BIOLOGICAL EXPOSURE INDICES:

COMPONENTS	VALUE	DETERMINANT	SPECIMEN	SAMPLING TIME
METHANOL (CAS 67-56-1)	15 MG/L	METHANOL	URINE	*

\* - FOR SAMPLING DETAILS, PLEASE SEE THE SOURCE DOCUMENT.

## EXPOSURE GUIDELINES:

US - CALIFORNIA OELS	SKIN DESIGNATION
METHANOL (CAS 67-56-1)	CAN BE ABSORBED THROUGH THE SKIN.
US - MINNESOTA HAZ SUBS	SKIN DESIGNATION APPLIES
METHANOL (CAS 67-56-1)	SKIN DESIGNATION APPLIES.
US - TENNESSEE OELS	SKIN DESIGNATION
METHANOL (CAS 67-56-1)	CAN BE ABSORBED THROUGH THE SKIN.
US ACGIH THRESHOLD LIMIT VALUES	SKIN DESIGNATION
METHANOL (CAS 67-56-1)	CAN BE ABSORBED THROUGH THE SKIN.
US NIOSH POCKET GUIDE TO CHEMICAL HAZARDS	SKIN DESIGNATION
METHANOL (CAS 67-56-1)	CAN BE ABSORBED THROUGH THE SKIN.

## APPROPRIATE ENGINEERING CONTROLS:

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 EXPOSURE LIMITS HAVE NOT BEEN ESTABLISHED, MAINTAIN AIRBORNE LEVELS TO AN ACCEPTABLE LEVEL. EYE WASH FACILITIES AND EMERGENCY SHOWER MUST BE AVAILABLE WHEN HANDLING THIS PRODUCT.

## INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

SKIN PROTECTION:

HAND PROTECTION:  
WEAR PROTECTIVE GLOVES SUCH AS: NITRILE. NEOPRENE.

OTHER: WEAR APPROPRIATE CHEMICAL RESISTANT CLOTHING.

## RESPIRATORY PROTECTION:

IF ENGINEERING CONTROLS ARE NOT FEASIBLE OR IF EXPOSURE EXCEEDS THE

APPLICABLE EXPOSURE LIMITS, USE A NIOSH-APPROVED CARTRIDGE RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE. USE A SELF-CONTAINED BREATHING APPARATUS IN CONFINED SPACES AND FOR EMERGENCIES. AIR MONITORING IS NEEDED TO DETERMINE ACTUAL EMPLOYEE EXPOSURE LEVELS.

**THERMAL HAZARDS:**

WEAR APPROPRIATE THERMAL PROTECTIVE CLOTHING, WHEN NECESSARY.

**GENERAL HYGIENE CONSIDERATIONS:**

WHEN USING DO NOT SMOKE. KEEP AWAY FROM FOOD AND DRINK. 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES



**APPEARANCE:**

PHYSICAL STATE: LIQUID.

FORM: AEROSOL.

COLOR: CLOUDY. WHITE.

ODOR: PETROLEUM.

ODOR THRESHOLD: NOT AVAILABLE.

PH: NOT AVAILABLE.

MELTING POINT/FREEZING POINT: -195.9 DEG. F (-126.6 DEG. C) ESTIMATED

**INITIAL BOILING POINT AND BOILING RANGE:**

148.5 DEG. F (64.7 DEG. C) ESTIMATED

FLASH POINT: -20.2 DEG. F (-29 DEG. C) PENSKY-MARTENS CLOSED CUP

EVAPORATION RATE: FAST.

FLAMMABILITY (SOLID, GAS): NOT AVAILABLE.

**UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:**

FLAMMABILITY LIMIT - LOWER (%): 0.9%

FLAMMABILITY LIMIT - UPPER (%): 36.5%

VAPOR PRESSURE: 13.5 KPA (101.325 MMHg)

VAPOR DENSITY: 1.11 (AIR = 1)

RELATIVE DENSITY: 0.67

SOLUBILITY (WATER): NOT AVAILABLE.

PARTITION COEFFICIENT (N-OCTANOL/WATER): NOT AVAILABLE.

AUTO-IGNITION TEMPERATURE: 464 DEG. F (240 DEG. C) ESTIMATED

DECOMPOSITION TEMPERATURE: NOT AVAILABLE.

VISCOSITY (KINEMATIC): <7 MM<sup>2</sup>/S (104 DEG. F (40 DEG. C))

PERCENT VOLATILE: 94.4% 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:

NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE.

## CONDITIONS TO AVOID:

HEAT, FLAMES AND SPARKS. CONTACT WITH INCOMPATIBLE MATERIALS.

## INCOMPATIBLE MATERIALS:

STRONG OXIDIZING AGENTS. NITRATES. FLUORINE. CHLORINE.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES. NITROGEN OXIDES (NOX).

**11. TOXICOLOGICAL INFORMATION**

## INFORMATION ON LIKELY ROUTES OF EXPOSURE:

## INHALATION:

MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE BY INHALATION. MAY CAUSE DROWSINESS AND DIZZINESS. HEADACHE. NAUSEA, VOMITING.

SKIN CONTACT: CAUSES SKIN IRRITATION.

EYE CONTACT: CAUSES EYE IRRITATION.

## INGESTION:

HARMFUL IF SWALLOWED. EVEN SMALL AMOUNTS (30-250 ML METHANOL) MAY BE FATAL. SYMPTOMS ARE STOMACH ACHE, NAUSEA, VOMITING, DULLNESS, VISUAL DISORDER AND BLINDNESS. DROPLETS OF THE PRODUCT ASPIRATED INTO THE LUNGS THROUGH INGESTION OR VOMITING MAY CAUSE A SERIOUS CHEMICAL PNEUMONIA.

## SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

HEADACHE. MAY CAUSE DROWSINESS AND DIZZINESS. NAUSEA, VOMITING. ASPIRATION MAY CAUSE PULMONARY EDEMA AND PNEUMONITIS. IRRITATION OF EYES. EXPOSED INDIVIDUALS MAY EXPERIENCE EYE TEARING, REDNESS, AND DISCOMFORT. SKIN IRRITATION. MAY CAUSE REDNESS AND PAIN.

## INFORMATION ON TOXICOLOGICAL EFFECTS:

## ACUTE TOXICITY:

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. NARCOTIC EFFECTS.

PRODUCT	SPECIES	TEST RESULTS
---------	---------	--------------

## BORON NITRIDE MOLD RELEASE:

## ACUTE:

## DERMAL:

LD50	RABBIT	2599.3 MG/KG
------	--------	--------------

## INHALATION:

LC50	RAT	25.99 MG/L, 4 HOURS
------	-----	---------------------

## ORAL:

LD50	RAT	866.4 MG/KG
------	-----	-------------

\* ESTIMATES FOR PRODUCT MAY BE BASED ON ADDITIONAL COMPONENT DATA NOT

SHOWN.

SKIN CORROSION/IRRITATION: CAUSES SKIN IRRITATION.

SERIOUS EYE DAMAGE/EYE IRRITATION: CAUSES EYE IRRITATION.

RESPIRATORY SENSITIZATION: NOT A RESPIRATORY SENSITIZER.

SKIN SENSITIZATION:

THIS PRODUCT IS NOT EXPECTED TO CAUSE SKIN SENSITIZATION.

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.

IARC MONOGRAPHS. OVERALL EVALUATION OF CARCINOGENICITY: NOT AVAILABLE.

US. NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS: NOT AVAILABLE.

REPRODUCTIVE TOXICITY:

THIS PRODUCT IS NOT EXPECTED TO CAUSE REPRODUCTIVE OR DEVELOPMENTAL EFFECTS.

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE:

CAUSES DAMAGE TO ORGANS (EYES) BY INGESTION. MAY CAUSE DROWSINESS AND DIZZINESS.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE:

MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

ASPIRATION HAZARD:

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. IF ASPIRATED INTO LUNGS DURING SWALLOWING OR VOMITING, MAY CAUSE CHEMICAL PNEUMONIA, PULMONARY INJURY OR DEATH.

CHRONIC EFFECTS:

MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. PROLONGED INHALATION MAY BE HARMFUL.

## 12. ECOLOGICAL INFORMATION



ECOTOXICITY:

TOXIC TO AQUATIC LIFE. HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

PRODUCT	SPECIES	TEST RESULTS
---------	---------	--------------

BORON NITRIDE MOLD RELEASE:

AQUATIC:

ACUTE:

CRUSTACEA	EC50	DAPHNIA	162.931 MG/L, 48 HOURS ESTIMATED
-----------	------	---------	----------------------------------

FISH	LC50	FISH	4.6978 MG/L, 96 HOURS ESTIMATED
------	------	------	---------------------------------

COMPONENTS	SPECIES	TEST RESULTS
------------	---------	--------------

ETHANOL (CAS 64-17-5):

AQUATIC:

ACUTE:

ALGAE	EC50	GREEN ALGAE (CHLORELLA KESSLERI)	1450 MG/L
CRUSTACEA	EC50	WATER FLEA (DAPHNIA MAGNA)	11.2 MG/L, 48 HOURS 7.7 - 11.2 MG/L, 48 HOURS
FISH	LC50	FATHEAD MINNOW (PIMEPHALES PROMELAS)	15300 MG/L, 96 HOURS >100 MG/L, 96 HOURS >100 MG/L, 96 HOURS
		RAINBOW TROUT, DONALDSON TROUT (ONCORHYNCHUS MYKISS)	13000 - 15300 MG/L, 96 HOURS

METHANOL (CAS 67-56-1):

AQUATIC:

CRUSTACEA	EC50	WATER FLEA (DAPHNIA MAGNA)	>10000 MG/L, 48 HOURS
FISH	LC50	FATHEAD MINNOW (PIMEPHALES PROMELAS)	>100 MG/L, 96 HOURS

METHYLCYCLOHEXANE (CAS 108-87-2):

AQUATIC:

FISH	LC50	STRIPED BASS (MORONE SAXATILIS)	5.8 MG/L, 96 HOURS
------	------	------------------------------------	--------------------

N-HEPTANE (CAS 142-82-5):

AQUATIC:

ACUTE:

FISH	LC50	FATHEAD MINNOW (PIMEPHALES PROMELAS)	2.1 - 2.98 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 (LOG KOW):

ETHANOL: -0.31

METHANOL: -0.77

METHYLCYCLOHEXANE: 3.61

N-BUTANE: 2.89

N-HEPTANE: 4.66

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 CONSIDERATIONS



DISPOSAL OF WASTE FROM RESIDUES / UNUSED PRODUCTS:

IF DISCARDED, THIS PRODUCT IS CONSIDERED A RCRA IGNITABLE WASTE, D001. COLLECT AND RECLAIM OR DISPOSE IN SEALED CONTAINERS AT LICENSED WASTE DISPOSAL SITE. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE OR CRUSH. DO NOT ALLOW THIS MATERIAL TO DRAIN INTO SEWERS/WATER SUPPLIES. DO NOT CONTAMINATE PONDS, WATERWAYS OR DITCHES WITH CHEMICAL OR USED CONTAINER. DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

HAZARDOUS WASTE CODE:

D001: WASTE FLAMMABLE MATERIAL WITH A FLASH POINT <140 F

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:

UN NUMBER: UN1950

UN PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE, LIMITED QUANTITY

TRANSPORT HAZARD CLASS(ES):

CLASS: 2.1

SUBSIDIARY RISK:

LABEL(S): 2.1

PACKING GROUP: NOT APPLICABLE.

SPECIAL PRECAUTIONS FOR USER:

READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.

SPECIAL PROVISIONS: N82

PACKAGING EXCEPTIONS: 306

PACKAGING NON BULK: NONE

PACKAGING BULK: NONE

IATA:

UN NUMBER: UN1950

UN PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE, LIMITED QUANTITY

TRANSPORT HAZARD CLASS(ES):

CLASS: 2.1

SUBSIDIARY RISK:

PACKING GROUP: NOT APPLICABLE.

ENVIRONMENTAL HAZARDS: NO.

ERG CODE: 10L

SPECIAL PRECAUTIONS FOR USER:

READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.

OTHER INFORMATION:

PASSENGER AND CARGO AIRCRAFT: ALLOWED.

CARGO AIRCRAFT ONLY: ALLOWED.

IMDG:

UN NUMBER: UN1950

UN PROPER SHIPPING NAME: AEROSOLS, LIMITED QUANTITY

TRANSPORT HAZARD CLASS(ES):

CLASS: 2

SUBSIDIARY RISK:

PACKING GROUP: NOT APPLICABLE.

ENVIRONMENTAL HAZARDS:

MARINE POLLUTANT: NO.

EMS: NOT AVAILABLE.

SPECIAL PRECAUTIONS FOR USER:

READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.

## 15. REGULATORY INFORMATION



US FEDERAL REGULATIONS:

THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

TSCA SECTION 12(B) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D):

NOT REGULATED.

US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050):

NOT LISTED.

SARA 304 EMERGENCY RELEASE NOTIFICATION: NOT REGULATED.

US EPCRA (SARA TITLE III) SECTION 313 - TOXIC CHEMICAL LISTED SUBSTANCE

METHANOL (CAS 67-56-1)

CERCLA HAZARDOUS SUBSTANCE LIST (40 CFR 302.4):

METHANOL (CAS 67-56-1) LISTED.

CERCLA HAZARDOUS SUBSTANCES	REPORTABLE QUANTITY
-----------------------------	---------------------

METHANOL (CAS 67-56-1)	5000 LBS
------------------------	----------

SPILLS OR RELEASES RESULTING IN THE LOSS OF ANY INGREDIENT AT OR ABOVE ITS RQ REQUIRE IMMEDIATE NOTIFICATION TO THE NATIONAL RESPONSE CENTER (800-424-8802) AND TO YOUR LOCAL EMERGENCY PLANNING COMMITTEE.

CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS) LIST:

METHANOL (CAS 67-56-1)

CLEAN AIR ACT (CAA) SECTION 112(R) ACCIDENTAL RELEASE PREVENTION

(40 CFR 68.130):

N-BUTANE (CAS 106-97-8)

PROPANE (CAS 74-98-6)

SAFE DRINKING WATER ACT (SDWA): NOT REGULATED.

FOOD AND DRUG ADMINISTRATION (FDA): NOT REGULATED.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA):

SECTION 311/312 HAZARD CATEGORIES:

IMMEDIATE HAZARD: YES

DELAYED HAZARD: YES

FIRE HAZARD: YES

PRESSURE HAZARD: YES

REACTIVITY HAZARD: NO

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: NO

US STATE REGULATIONS:

US. CALIFORNIA. CANDIDATE CHEMICALS LIST. SAFER CONSUMER PRODUCTS REGULATIONS (CAL. CODE REGS, TIT. 22, 69502.3, SUBD. (A)):

N-BUTANE (CAS 106-97-8)  
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH. (CAS 64742-89-8)  
METHANOL (CAS 67-56-1)

US. CALIFORNIA CONTROLLED SUBSTANCES. CA DEPARTMENT OF JUSTICE (CALIFORNIA HEALTH AND SAFETY CODE SECTION 11100): NOT LISTED.

US. NEW JERSEY WORKER AND COMMUNITY RIGHT-TO-KNOW ACT:

ETHANOL (CAS 64-17-5)  
METHYLCYCLOHEXANE (CAS 108-87-2)  
N-HEPTANE (CAS 142-82-5)  
METHANOL (CAS 67-56-1)  
N-BUTANE (CAS 106-97-8)  
PROPANE (CAS 74-98-6)

US. MASSACHUSETTS RTK - SUBSTANCE LIST:

ETHANOL (CAS 64-17-5)  
METHANOL (CAS 67-56-1)  
METHYLCYCLOHEXANE (CAS 108-87-2)  
N-BUTANE (CAS 106-97-8)  
N-HEPTANE (CAS 142-82-5)  
PROPANE (CAS 74-98-6)

US. PENNSYLVANIA WORKER AND COMMUNITY RIGHT-TO-KNOW LAW:

METHANOL (CAS 67-56-1)  
ETHANOL (CAS 64-17-5)  
METHYLCYCLOHEXANE (CAS 108-87-2)  
N-BUTANE (CAS 106-97-8)  
N-HEPTANE (CAS 142-82-5)  
PROPANE (CAS 74-98-6)

US. RHODE ISLAND RTK:

METHANOL (CAS 67-56-1)  
N-BUTANE (CAS 106-97-8)  
PROPANE (CAS 74-98-6)

US. CALIFORNIA PROPOSITION 65:

WARNING:

THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

US - CALIFORNIA PROPOSITION 65 - CRT LISTED DATE/DEVELOPMENTAL TOXIN

METHANOL (CAS 67-56-1) LISTED: MARCH 16, 2012

VOLATILE ORGANIC COMPOUNDS (VOC) REGULATIONS:

EPA:

VOC CONTENT (40 CFR 51.100(S)): 94.5%  
CONSUMER PRODUCTS (40 CFR 59, SUBPT. C): NOT REGULATED

STATE:

CONSUMER PRODUCTS: NOT REGULATED

VOC CONTENT (CA): 94.5%  
VOC CONTENT (OTC): 94.5%

INTERNATIONAL INVENTORIES:

COUNTRY(S) OR REGION	INVENTORY NAME	ON INVENTORY (YES/NO)*
----------------------	----------------	---------------------------

AUSTRALIA	AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS)	YES
CANADA	DOMESTIC SUBSTANCES LIST (DSL)	YES
CANADA	NON-DOMESTIC SUBSTANCES LIST (NDSL)	NO
CHINA	INVENTORY OF EXISTING CHEMICAL SUBSTANCES IN CHINA (IECSC)	YES
EUROPE	EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS)	YES
EUROPE	EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS)	NO
JAPAN	INVENTORY OF EXISTING AND NEW CHEMICAL SUBSTANCES (ENCS)	NO
KOREA	EXISTING CHEMICALS LIST (ECL)	YES
NEW ZEALAND	NEW ZEALAND INVENTORY	YES
PHILIPPINES	PHILIPPINE INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES (PICCS)	YES
UNITED STATES & PUERTO RICO	TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY	YES

\*A "YES" INDICATES THAT ALL COMPONENTS OF THIS PRODUCT COMPLY WITH THE INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY(S)

A "NO" INDICATES THAT ONE OR MORE COMPONENTS OF THE PRODUCT ARE NOT LISTED OR EXEMPT FROM LISTING ON THE INVENTORY ADMINISTERED BY THE GOVERNING COUNTRY(S).

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION



OR LAST REVISION

ISSUE DATE: 07-20-2015

PREPARED BY: ALLISON CHO

VERSION #: 01

FURTHER INFORMATION: NOT AVAILABLE.

### HMS(R\*) RATINGS:

HEALTH 3\*  
 FLAMMABILITY 4  
 PHYSICAL HAZARD 0  
 PERSONAL PROTECTION B

### NFPA RATINGS:

HEALTH 3  
 FLAMMABILITY 4  
 INSTABILITY 0

### NFPA RATINGS:

3  
 4  
 0

### DISCLAIMER:

THE INFORMATION CONTAINED IN THIS DOCUMENT APPLIES TO THIS SPECIFIC

MATERIAL AS SUPPLIED. IT MAY NOT BE VALID FOR THIS MATERIAL IF IT IS USED IN COMBINATION WITH ANY OTHER MATERIALS. THIS INFORMATION IS ACCURATE TO THE BEST OF CRC INDUSTRIES' KNOWLEDGE OR OBTAINED FROM SOURCES BELIEVED BY CRC TO BE ACCURATE. BEFORE USING ANY PRODUCT, READ ALL WARNINGS AND DIRECTIONS ON THE LABEL. FOR FURTHER CLARIFICATION OF ANY INFORMATION CONTAINED ON THIS (M)SDS CONSULT YOUR SUPERVISOR, A HEALTH & SAFETY PROFESSIONAL, OR CRC INDUSTRIES.

MATERIAL NAME: BORON NITRIDE MOLD RELEASE

03310

VERSION #: 01

ISSUE DATE: 07-20-2015

SDS US