

# Material Safety Data Sheet

PRODUCT NAME  
BOGUL GAS CHECK BC-100

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## SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identity (Trade Name As Used On Label) : BOGUL GAS CHECK BC-100

Chemical Family : Blended Compound

Manufacturer Name /Address :

NABAKEM CORPORATION / 50, Bongjae-ri, Dunpo-myun, Asan-si, Chungcheongnam-do,  
KOREA, 336-873

TEL : 82 41 531 7992~6 FAX : 82 41 534 7991

Date Prepared : Jan. 29. 2010

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	%	Hazardous
Coconut oil amidopropyl-betaine	61789-40-0	5~15	-
Additive	S1	<5	-
Water	7732-18-5	50~60	-
Dimethyl ether	115-10-6	25~35	-

## SECTION 3. HAZARD IDENTIFICATION

NFPA Rating :

INGREDIENTS \ NFPA Rating	Health	Flammability	Reactivity
Coconut oil amidopropyl-betaine	1	1	0
Additive	0	0	0
Water	0	0	0
Dimethyl ether	2	4	1

Inhalation : Is not greatly noxious.

Eye Contact : When contact, some irritation.

Skin Contact : In case is sensitive skin, allergic reaction.

Ingestion : Can be noxious in case ingested vast quantity.

## SECTION 4. FIRST AID PROCEDURES

Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Eye : Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin : Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Ingestion : Aspiration hazard. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

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## SECTION 5. FIRE AND EXPLOSION HAZARD DATA

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Flash Point : No information found

Auto-Ignition Temperature : No information found

Flammability Limits in Air % by Volume : Lel : N.A. ; uel : N.A.

Extinguisher Media : Dry chemical, foam or carbon dioxide. Water may be used to flush spills away from exposures and to dilute spills to nonflammable mixtures.

Special Fire Fighting Procedures : In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Combustion by-products include phosgene and hydrogen chloride gases. Structural firefighters' clothing provides only limited protection to the combustion products of this material.

Unusual Fire and Explosion Hazards : No information found

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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That remove in suitable receptacle for disposal of leaked material. That keep away outer garment approach that is relation and isolate danger area and prohibit going out for a visit.

When leak, that remove being adsorbed by sand, clay, adsorbent etc.

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## SECTION 7. HANDLING AND STORAGE

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Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all

warnings and precautions listed for the product. Because package is metal, that keep in place that there is no causticity. Do not heat above 50°C.

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## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Ventilation System : A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Respiratory Protection : None required if good ventilation is maintained. For enclosed areas, use NIOSH approved organic vapor cartridge respirator or self- contained breathing apparatus.

Eye Protection : Use face shield, goggled or safety glasses.

Protective Gloves : Use solvent resistant gloves for brushing and spraying.

Other Protective Clothing and Equipment : None

Hygienic Work Practices : Wash hands with soap and water after use and/or before breaks, lunch and at the end of work periods. Remove contaminates clothing and launder before reuse.

Airborne Exposure Limits : Dimethyl ether : 1000ppm TWA

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## SECTION 9. PHYSICAL / CHEMICAL CHARACTERISTICS

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Appearance : Clear

Odor : Odor-free

Ph : 6~8

Solubility in Water : Soluble

Boiling Point : No information found

Melting Point : No information found

Vapor Pressure(mmHg) : No information found

Specific Gravity (H<sub>2</sub>O = 1) : 0.98 ± 0.05

Vapor Density (Air =1) : No information found

Evaporation Rate (BuAc=1) : No information found

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## SECTION 10. STABILITY AND REACTIVITY

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STABILITY : Stable under ordinary conditions of use and storage

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Conditions to Avoid : Heat, flame, ignition sources, light, moisture, incompatibles

Incompatibility (Materials to Avoid) : Strong oxidizing agents, Sodium nitrate

Hazardous Decomposition Products : Carbon dioxide

Hazardous Polymerization: Will not occur.

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## SECTION 11. TOXICOLOGICAL INFORMATION

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Ingestion : No information found

Skin : No information found

Inhalation : No information found

Other data : No information found

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## SECTION 12. ECOLOGICAL INFORMATION

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Biodegradation : No information found

Fish Toxicity : No information found

Activated sludge respiration inhibition : No information found

Algal growth inhibition : No information found

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## SECTION 13. DISPOSAL CONSIDERATION

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Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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## SECTION 14. TRANSPORT INFORMATION

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Proper Shipping Name : Aerosol

Class No 2

UN-NUMBER : UN 1950

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## SECTION 15. REGULATORY INFORMATION

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Follow all regulation in your country

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## SECTION 16. PREPARATION DATA OF MSDS

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This information has been faithfully prepared on the basis of various knowledge and information and is not to guarantee the quality of this product. Also, this information can be changed without prior notice in accordance with introduction of new knowledge and test results, etc. For inquiries, please contact us or the place of product purchase.