

MATERIAL SAFETY DATA SHEET

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24 Hour Emergency Assistance CHEMTREC 1-800-424-9300

PRODUCT NAME: Break-Down

PRODUCT CODE: BD1Q

I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Break-Down
PRODUCT CODE: BD1Q
PRODUCT CLASS: Formulated Food Processing Antifoam
Date Prepared: 11/28/07
Prepared by: Safety Department

HMIS Codes

Fire	1
Health	1
Reactivity	0
Protection	x

II - COMPOSITION/HAZARDOUS INGREDIENTS

White Mineral Oil: 25-35%
Hydrophobic Silica: 3-8%
Emulsifiers: 5-10%
Water: 55-75%

Occupational Exposure Guidelines

ACGIH (USA): TWA: 5 mg/m³ STEL: 10mg/m³ (oil mist)
OSHA(USA): TWA: 5 mg/m³ (oil mist)

III - HEALTH HAZARDS IDENTIFICATION

Eyes:

Liquid mists and sprays may cause eye irritation.

Skin:

No significant adverse health effects are expected from short-term exposure.

Inhalation:

No significant adverse health effects are expected from short-term exposure.

Medical Conditions Aggravated: None Known

Ingestion:

If swallowed, no significant adverse health effects are anticipated. A laxative effect may result. However, aspiration during ingestion or vomiting can cause serious lung damage.

Carcinogenic Potential:

This product contains no component > 0.1% which is considered carcinogenic by OSHA, IARC or NTP.

Target Organs: ND

Routes of Entry: ND

Emergency Overview: Not expected to present a hazard under anticipated use conditions. If swallowed contact a physician. Aspiration of material into the lungs can cause severe damage. Spills can cause a slipping hazard.

IV - FIRST AID

Eyes:

Check for and remove contact lenses. Flush eyes with cool, clean water while occasionally lifting and lowering the eyelids. Seek medical attention if excessive tearing, redness or pain persists.

Skin:

Remove contaminated clothing. Wipe off excess material. Wash skin with soap and water. Thoroughly clean contaminated clothing prior to reuse. Discard contaminated leather goods. If material is injected beneath the skin, seek immediate medical attention.

Inhalation:

In case of overexposure, remove the person to fresh air.

Ingestion:

Do not give anything to drink unless advised by physician. If significant amounts are ingested seek medical help immediately.

Notes to Physician:

This material is a significant aspiration hazard. Treatment may involve careful gastric lavage if performed soon after ingestion or in comatose or patients at risk of convulsing. Protect airway by placement in Trendelenburg and left lateral decubitis position or by cuffed endotracheal intubation. Subcutaneous or intramuscular injection requires prompt surgical debridement.

V - FIRE-FIGHTING MEASURES

Flashpoint: 177° C (351° F)
Method: Open Cup
Flammable Limits: NA
Autoignition Temperature: AP 400° C (752) F
NFPA Flammability Class: IIIB combustible material, slightly combustible
Extinguishing Media: Dry chemical, carbon dioxide or water fog

Hazardous Decomposition Products:

CO₂, CO, smoke, fumes, unburned hydrocarbons

Special Properties: This material can burn but will not readily ignite. It will produce flammable vapors when heated above its flash point. In enclosed spaces heated vapor can ignite with explosive force. Mists or sprays may burn at temperatures below the flash point.

Fire Fighting Equipment: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

VI - ACCIDENTAL RELEASE MEASURES

Do not handle damaged containers or spilled material without appropriate protective equipment. Stop leaks if you can do so without risk. For small spills, absorb or cover with dry earth, sand or other inert absorbent and place in containers for disposal. Contain large spills to prevent entry into waterways or sewers.

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VII - HANDLING AND STORAGE

MINIMUM STORAGE TEMPERATURES: 32° F

MAXIMUM STORAGE TEMPERATURES: 120° F

Handling: Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to flames, sparks, heat or other ignition sources. Dispose of unused contents and containers in compliance to state, federal and local regulations.

Storage: Do not store with strong oxidizing agents or at temperatures > 120° F or in direct sunlight for extended periods.

VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL HYGIENE IS AN IMPORTANT EXPOSURE CONTROL MEASURE. THE FOLLOWING GENERAL MEASURES SHOULD BE TAKEN WHEN WORKING WITH OR HANDLING THIS MATERIAL.

Personal Protection

Safety glasses, non-absorbent clothing, chemical resistant gloves. Nitrile rubber gloves or equivalent. Clean and impervious, such as a lab coat.

Respiratory

Not required under normal operating conditions.

Eyes and Face

Safety glasses with side shield.

Work Hygienic Practices

Wash hands with soap and water after using this product and before eating, drinking or smoking.

Engineering Controls

Provide exhaust ventilation to keep concentration of mists or vapors within established limits. An eye wash station should be near work areas using this product.

IX - PHYSICAL AND CHEMICAL PROPERTIES

Odor: Mild organic
Appearance: Liquid
Color: Opaque white
pH: NA
Solubility in Water: Emulsifies

Vapor Density: NA
Particle Size: ND
Specific Gravity: 0.94 - 0.98
Viscosity: ND

X - STABILITY AND REACTIVITY

Stable: Stable
Conditions to Avoid: Keep away from heat, sparks, open flame and strong oxidizing conditions
Hazardous Polymerization: Not expected to occur
Hazardous Decomposition: CO², CO, smoke, fumes, unburned hydrocarbons and trace oxides of sulfur or nitrogen
Incompatible Materials: Strong oxidizers

XI - TOXICOLOGICAL INFORMATION

Acute Oral (rat): > 5,000 mg/kg
Acute Dermal (rabbit): > 2,000 mg/kg
Eye Irritation: ND
Skin Irritation: ND

Mineral oil mists are reported to have low acute and subacute toxicities in animals. Effects from single and short term exposure to high concentrations of mineral oil mists well above applicable workplace limits include lung inflammatory reaction, lipid granuloma formation and lipid pneumonia. Exposure at lower levels at or near workplace limits produced no significant toxicological effects. Long term (up to two years) exposure produced no reported carcinogenic effects in any animal species tested.

XII - DISPOSAL CONSIDERATIONS

Hazard characteristics and regulatory waste stream classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

Conditions of use may cause this material to become a "hazardous waste" as defined by Federal and State regulations. It is the user's responsibility to determine if the material is a HCSA "hazardous waste" at the time of disposal. Transportation, treatment, storage and disposal of waste material must be conducted in accordance with RCRA regulations (40 CFR 260 through 40 CFR 271). State and local regulations may be more restrictive. Contact the RCRA/Superfund hotline at (800) 424-9346 or your regional EPA office for guidance concerning specific disposal issues.

XIII - TRANSPORTATION INFORMATION

DOT Status, Proper Shipping Name, Hazard Class: Not regulated
Packing Group(s), UNNA ID, Emergency Response guide No.: NA
MARPOL III Statues: Not a DOT "Marine Pollutant" per 49 CFR 171.8

Reportable Quantity: Not established
Placards: None required
HAZMAT STTC No.: Not assigned

XIV - REGULATORY INFORMATION

TSCA Inventory: All components are listed on the TSCA inventory
SARA 302/304: No component identified
SARA 311/312: No hazard identified
SARA 313: No component identified

CERCLA: No component identified
CA Proposition 65: No component identified
NJ Right To Know: Petroleum oil

CWA: Under Section 311 of the Clean Water Act this material is classified as an oil and spills into water ways that produce a visible sheen must be reported

XV - OTHER INFORMATION

THE INFORMATION IN THIS MSDS IS GIVEN IN GOOD FAITH BASED ON OUR EXPERIENCE AND DATA PRESENTED IN VARIOUS TECHNICAL PUBLICATIONS. IT IS THE USERS RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF SAFETY PRECAUTIONS AS MAY BE NECESSARY. THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND.