

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION	
NFPA Rating: <b>Health-1; Flammability-1; Reactivity-0; Special-B</b> Manufactured For: <b>DYNASTY CHEMICAL CORP.</b> Address: <b>962 BROADWAY ALBANY, NY 12204</b>	HMIS Rating: <b>Health-1; Flammability-1; Reactivity-0; Personal Protection-B</b> DOT Hazard Classification: <b>ORM-D</b> Identity (trade name as used on label): <div style="text-align: center;"><b>BIG O</b></div>
Date Prepared: <b>02/25/01</b> Prepared By: <b>ES</b>	MSDS Number: <b>582</b> Revision- <b>10</b>
Information Calls: <b>(518) 463-1146</b> EMERGENCY RESPONSE NUMBER: <b>(800) 255-3924</b>	NOTICE: <b>JUDGMENT BASED ON INDIRECT TEST DATA</b>

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
METHY ETHYL KETONE	78-98-3	Yes	800	800	d
ACETONE	67-64-1	Yes	N/E	N/E	d
D' LIMONENE	5989-275	No	50	25	d
PROPANE	74-98-6	Yes	50	25	d
ISOBUTANE	75-28-5	Yes	50	25	d
n-BUTANE	106-97-8	Yes	50	25	d

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: <b>N/A</b>	Specific Gravity (H <sub>2</sub> O=1): <b>Concentrate Only = 1.0</b>
Vapor Pressure: <b>PSIG @ 70°F (Aerosols): Max. 60</b>	Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): <b>N/A</b>
Vapor Density (Air = 1): <b>N/E</b>	Evaporation Rate ( = 1): <b>N/E</b>
Solubility in Water: <b>Completely soluble.</b>	Water Reactive: <b>No</b>
Appearance and Odor: <b>White foam, citrus fragrance.</b>	

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

<b>FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols)</b> <div style="text-align: center;"><b>NON-FLAMMABLE</b></div>	<b>Auto Ignition Temperature</b> <div style="text-align: center;"><b>N/E</b></div>	<b>Flammability Limits in Air by % in Volume:</b> % LEL: <b>N/E</b> % UEL: <b>N/E</b>
<b>FLASH POINT AND METHOD USED (non-aerosols):</b> <b>N/A</b>		<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> <b>Self-contained breathing apparatus.</b>
<b>EXTINGUISHER MEDIA:</b> <b>Foam, dry chemical, carbon dioxide.</b>		
<b>Unusual Fire &amp; Explosion Hazards:</b> <b>Do not expose aerosols to temperatures above 130°F or the container may rupture.</b>		

## SECTION 4 - REACTIVITY HAZARD DATA

<b>STABILITY</b> <input checked="" type="checkbox"/> <b>STABLE</b> <input type="checkbox"/> <b>UNSTABLE</b>	<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> <b>WILL</b> <input checked="" type="checkbox"/> <b>WILL NOT OCCUR</b>
<b>Incompatibility (Mat. to avoid):</b> <b>Strong oxidizers.</b>	<b>Conditions to Avoid:</b> <b>Open flame, welding arcs, heat, sparks.</b>
<b>Hazardous Decomposition Products:</b> <b>Carbon monoxide, carbon dioxide.</b>	

## SECTION 5 - HEALTH HAZARD DATA

<b>PRIMARY ROUTES OF ENTRY:</b> <input checked="" type="checkbox"/> <b>INHALATION</b> <input type="checkbox"/> <b>INGESTION</b> <input checked="" type="checkbox"/> <b>SKIN ABSORPTION</b> <input type="checkbox"/> <b>EYE</b> <input type="checkbox"/> <b>NOT HAZARDOUS</b>	
<b>ACUTE EFFECTS</b> Inhalation: <b>Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects, and possible unconsciousness.</b>	
Eye Contact: <b>Irritation</b>	Skin Contact: <b>Mild irritation.</b>
Ingestion: <b>Possible chemical pneumonitis if aspirated into lungs. Nausea.</b>	
<b>CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) May cause diarrhea, vomiting, gastrointestinal irritation. Lab animals have experienced anemia, liver, kidney, lung, blood damage to Glycol Ether EB.</b>	
<b>Medical Conditions Generally Aggravated by Exposure:</b> <b>May aggravate existing eye, skin, or upper respiratory conditions.</b>	

## EMERGENCY FIRST AID PROCEDURES

<b>Eye Contact:</b> <b>Flush with water for 15 minutes. If irritated, seek medical attention.</b>
<b>Skin Contact:</b> <b>Wash with soap and water. If irritated, seek medical attention.</b>
<b>Inhalation:</b> <b>Remove to fresh air. Resuscitate if necessary. Get medical attention.</b>
<b>Ingestion:</b> <b>DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.</b>

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

<b>Respiratory Protection (specify type):</b> <b>If vapor concentration exceeds TLV, use respirator approved by NIOSH in positive pressure mode.</b>	
<b>Protective Gloves:</b> <b>Latex, if skin is easily irritated.</b>	<b>Eye Protection:</b> <b>Safety glasses recommended.</b>
<b>Ventilation Requirements:</b> <b>Adequate ventilation to keep vapor concentration below TLV.</b>	
<b>Other Protective Clothing &amp; Equipment:</b> <b>None</b>	
<b>Hygienic Work Practices:</b> <b>Wash with soap and water before handling food. Remove contaminated clothing.</b>	

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Steps To Be Taken If Material Is Spilled Or Released:</b> <b>Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations. DO NOT FLUSH TO SEWER.</b>
<b>Waste Disposal Methods:</b> <b>Aerosol cans, when vented to atmospheric pressure through normal use, pose no disposal hazard.</b>
<b>Precautions To Be Taken In Handling &amp; Storage:</b> <b>Do not puncture or incinerate containers. Do not store at temperatures above 130°F.</b>
<b>Other Precautions &amp;/or Special Hazards:</b> <b>KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors.</b>

**We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.**

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only