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**MATERIAL SAFETY DATA SHEET**

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**Chemical Product and Company Identification**

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LABEL IDENTIFIER: Safety Equipment Wipes

PRODUCT IDENTIFIER: P/N 697350 Wipes, Safety Equipment  
P/N 697383 Towelettes, Carton of 100, Individually Packaged  
P/N 10022871 Premoistened Sheet, 8" x 11", 50/Package

COMPANY IDENTIFICATION: MINE SAFETY APPLIANCES COMPANY  
P.O. Box 439  
Pittsburgh, PA 15230  
CUSTOMER SERVICE: 1-800-MSA-2222 (8:30 a.m. – 5:00 p.m., USA local time)  
EMERGENCY: 1-800-255-3924 (CHEM-TEL, INC.)

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**Vendor Information**

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**A Material Safety Data Sheet as furnished by Allegro Industries for Safety Equipment Wipes, P/N 3001-05 (Alcohol Free Towelettes), is attached ( 3 pages ).**

Allegro Industries MSDS REVISION DATE: 06/12/08

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**Other Information**

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WARNING: This is a hazardous chemical product. By following the directions and warnings provided with this product, the hazards associated with the use of this product can be greatly reduced but never entirely eliminated. Mine Safety Appliances Company makes no warranties, expressed or implied, with respect to this product and EXPRESSLY DISCLAIMS THE WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Users assume all risks in handling, using or storing this product.

## MATERIAL SAFETY DATA SHEET

<b>1. IDENTIFICATION AND GENERAL INFORMATION</b>		
P/N#:	3001, 3001-05	<u>NFPA Code</u>
Nomenclature:	Alcohol Free Towelettes	H 0
Company Name:	Allegro Industries	F 0
Address:	7221 Orangewood Avenue Garden Grove, CA 92841 714-899-9855 Chemtrac: 800-424-9300	R 0 O None
<b>2. COMPOSITION</b>		
Chemical Name:	Benzyl-12-18-Alkyldimethyl Chloride	
Chemical Family:	Amide Salt	
Synonyms:	BTC, Zephiran Chloride	
Ingredient:	Benzyl-12-18-Alkyldimethyl Chloride De-ionized Water	
Weight per Gallon:	8.1 lbs	
Molecular Formula:	C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> (CH <sub>2</sub> ) <sub>2</sub> R+C <sub>1</sub> -R=C <sub>6</sub> H <sub>17</sub> TO C <sub>16</sub> H <sub>37</sub>	
CAS Number:	Benzyl-12-18-Alkyldimethyl Chloride #68391-01-5 De-ionized Water #7732-18-5	
Percent:	Benzyl-12-18-Alkyldimethyl Chloride: 0.4% De-ionized Water: 99.6%	
<b>3. HAZARDS IDENTIFICATION</b>		
Physical Dangers:	None Known	
Chemical Dangers:	None Known	
Routes of Exposure:	Inhalation, absorption, ingestion.	
Target Organs:	None	
Health Hazards:		
Inhalation:	Fumes may be harmful.	
Skin Contact:	May cause irritation, and may be absorbed through skin.	
Eye Contact:	May cause eye irritation if splashed.	
Ingestion:	Toxic, do not ingest.	
Chronic Exposure:	None Known	
Acute Exposure:	None Known	
Aggravation of Pre-Ex.Cond:	None Known	
<b>4. FIRST AID MEASURES</b>		
Inhalation:	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult	
Skin Contact:	Wash with soap and water.	
Eye Contact:	Rinse thoroughly with cool water. If irritation persists consult a physician.	
Ingestion:	Get medical attention.	
<b>5. FIRE FIGHTING MEASURES</b>		
Fire Hazards:	None	
Fire Extinguisher:	Water Fog, CO <sub>2</sub> , Dry Chemical, Foam	
Explosion:	None	
Flash Point:	125°F 52°C	
Volatile (% by volume):	N/A	
Exp. Limits (Vol % in air):	N/A	
Auto Ignition Temperature:	N/A	
Special Fire Fighting Proc:	Self-contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemical	
PPE for Fire Fighters:	Full Facepiece, Pressure Demand SCBA	
Notes:		
<b>6. ACCIDENTAL RELEASE MEASURES</b>		
Procedure:	Contain all spills and leaks to prevent discharge into the environment. Prevent electrical sparking. Ventilate ar	
Small Spills:	Soak up with absorbant, shovel into waste container, and flush area with water.	
Large Spills:	Recover liquid for reprocessing or disposal.	
Waste Disposal:	Recover material or dispose in accordance with all applicable Federal, State, and local Regulations. Mater collected may be disposed in a permitted landfill in accordance with Federal, State, and Local Regulations. Em container may retain vapor or product residue. Observe all labeled safeguards until container is cleane reconditioned, or destroyed	
<b>7. HANDLING AND STORAGE</b>		
Storage:	Store in tight containers in a cool dry place away from light and heat. Store at room temperature. Avoid open fire or flame	
Shelf Life:	N/A	

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PPE:	Use Safety goggles and gloves if handling in large quantities.
Notes:	Spilled material is slippery. Wash thoroughly after handling. If ingested, call a doctor.

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<b>8. EXPOSURE CONTROLS</b>		
PPE:	Use appropriate PPE when handled in large quantities.	
Inhalation:	Harmful by inhalation. Mist caused by manufacturing operations irritates nasal passages. Prolonged inhalation of vapors causes nausea, loss of motor skills, and disorientation. Go to fresh air. Give oxygen or apply artificial respiration if needed.	
Skin:	Avoid prolonged contact with skin. Wash skin off with water. Use protective gloves.	
Eye:	If eye splash is possible wear splash proof glasses.	
Ingestion:	Toxic, do not ingest. If swallowed, consult a physician immediately.	
Ventilation:	Adequate ventilation	
Engineering Controls:	N/A	
Work/Hygienic Practices	Wash hands after use.	
Exposure Limits:	N/A	
Chemical:	Benzyl-02-18-Alkyldimethyl Chloride	
TLV (ACGIH TLV):	N/A	
PEL (OSHA PEL):	N/A	
Control Parameter:	N/A	
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>		
Color/Appearance/Odor	Colorless liquid, faint medicinal odor	
Boiling Point	N/A	
Melting Point	N/A	
Specific Gravity (F <sub>2</sub> O=1):	0.999	
Refractive Index	N/A	
Relative Density	N/A	
Evaporative Rate	Estimated slower than ethyl ether	
Water Content:	99.6	
Vapor Density:	Estimated heavier than air	
Vapor Pressure:	@ 20 C degrees N/D	
Solubility in Water	Very Soluble	
<b>10. STABILITY AND REACTIVITY</b>		
Conditions to avoid	None Known	
Materials to avoid	None Known	
Hazardous Decomposition:	Will not occur	
<b>11. TOXICOLOGICAL INFORMATION</b>		
Health effects:	Corrosive, toxic- causes burns. Harmful by inhalation, ingestion and through skin contact. May cause reproductive defects. May act as a mutagen.	
Oral-RAT LD50:	N/A	
Dermal LD50:	N/A	
Human Lethal Dose:	N/A	
Notes:	Not listed by OSHA, NTP or IARC as a Carcinogen.	
<b>12. ECOLOGICAL INFORMATION</b>		
None Available		
<b>13. DISPOSAL CONSIDERATIONS</b>		
Refer to Local, State and Federal laws and regulation:		
<b>14. TRANSPORT INFORMATION</b>		
Proper shipping name:	None	
Transport Emergency Card	N/A	
Packing Group:	N/A	
UN Number:	N/A	
Reportable Quantity	N/A	
Notes:	N/A	
<b>15. REGULATORY INFORMATION</b>		
TSCA Registered	No	RTECS: N/A
FDA Approved	No	
ICSC:	N/A	
<b>16. OTHER INFORMATION</b>		
None		

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