



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER <b>SYMMETRY FOAMING HAND SANITIZER</b>		PRODUCT IDENTIFICATION NUMBER (PIN) <b>Not Applicable</b>	
PRODUCT USE <b>Hand Sanitizer</b>		CODE: <b>9005</b>	
MANUFACTURER'S NAME <b>BUCKEYE INTERNATIONAL, INC.</b>		SUPPLIER'S NAME	
STREET ADDRESS <b>2700 WAGNER PLACE</b>		STREET ADDRESS	
CITY <b>MARYLAND HEIGHTS</b>	PROVINCE <b>MISSOURI, U.S.A.</b>	CITY	PROVINCE
POSTAL CODE <b>63043-3471</b>	MEDICAL EMERGENCY TELEPHONE NUMBER <b>1-800-228-5635</b>	POSTAL CODE	EMERGENCY TELEPHONE NO.
TRANSPORTATION EMERGENCY TELEPHONE NUMBER <b>1-800-535-5053</b>			

## SECTION 2 - INGREDIENTS

INGREDIENTS	%	CAS NUMBER	LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES)
Ethanol	60-100	64-17-5	7060 mg/kg Rat oral	38 mg/L/10hr Rat
Distilled Water	15-40	7732-18-5	Not Available	Not Available
Dimethicone	1-5	Blend	Not Available	Not Available

## SECTION 3 - PHYSICAL DATA

PHYSICAL STATE <b>Liquid</b>	ODOUR AND APPEARANCE <b>Fruity Floral Fragrance; Clear Solution</b>			
VAPOUR PRESSURE (mmHG) <b>Not Available</b>	VAPOUR DENSITY (Air=1) <b>Not Available</b>	EVAPORATION RATE (Water =1) <b>&gt;1.0</b>	BOILING POINT (°C) <b>78°</b>	FREEZING POINT (°C) <b>Not Available</b>
pH (CONC.) <b>Not Available</b>	pH (USE DILUTION) RTU <b>Not Available</b>	SPECIFIC GRAVITY <b>0.883 ± 0.01</b>	COEFF. WATER/OIL DIST. <b>Not Available</b>	ODOUR THRESHOLD (ppm) <b>Not Available</b>

## SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY <b>Yes</b>	IF YES, UNDER WHICH CONDITIONS? <b>Flammable due to alcohol content.</b>	
MEANS OF EXTINCTION <b>Not Applicable</b>		
FLASHPOINT (°C) AND METHOD <b>23.5°C Tag Closed Cup</b>	UPPER FLAMMABLE LIMIT (% BY VOLUME) <b>Not Applicable</b>	LOWER FLAMMABLE LIMIT (% BY VOLUME) <b>Not Applicable</b>
HAZARDOUS COMBUSTION PRODUCTS <b>None Known</b>		
EXPLOSION DATA	SENSITIVITY TO IMPACT <b>Not Applicable</b>	SENSITIVITY TO STATIC DISCHARGE <b>Not Applicable</b>

## SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY <b>Yes</b>	IF NO, UNDER WHICH CONDITIONS? <b>Avoid heat, spark and open flame</b>
INCOMPATIBILITY WITH OTHER SUBSTANCES? <b>Yes</b>	IF SO, WHICH ONES? <b>Do not mix with chlorine bleach.</b>
REACTIVITY, AND UNDER WHAT CONDITIONS <b>None Known</b>	
HAZARDOUS DECOMPOSITION PRODUCTS <b>None Known</b>	

PRODUCT IDENTIFIER  
**SYMMETRY FOAMING HAND SANITIZER CODE: 9005**

**SECTION 6 - TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY	SKIN CONTACT	SKIN ABSORPTION	EYE CONTACT	INHALATION	INGESTION
	Yes	No	Yes	No	No

EFFECTS OF ACUTE EXPOSURE TO PRODUCT  
**May cause eye irritation.**

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT  
**None Known**

EXPOSURE LIMITS Not Available	IRRITANCY OF PRODUCT May cause eye irritation.	SENSITIZATION TO PRODUCT Not Available	CARCINOGENICITY No
TERATOGENICITY No	REPRODUCTIVE TOXICITY No	MUTAGENICITY No	SYNERGISTIC PRODUCTS None Known

**SECTION 7 - PREVENTIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT

GLOVES (SPECIFY) None Required	RESPIRATOR (SPECIFY) None Required	EYE (SPECIFY) None Required
FOOTWEAR (SPECIFY) None Required	CLOTHING (SPECIFY) Normal Clothing	OTHER (SPECIFY) None Required

ENGINEERING CONTROLS (SPECIFY: e.g. VENTILATION, ENCLOSED PROCESS.)  
**None Required.**

LEAK AND SPILL PROCEDURE  
 Will cause slippery surfaces. Pick up with mop, wet/dry vac or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.

WASTE DISPOSAL  
 Flush to sanitary sewer or send to sanitary landfill following local, provincial and federal laws.

HANDLING PROCEDURES AND EQUIPMENT  
 Follow good personal hygiene practices. When using product, do not rub eyes.

STORAGE REQUIREMENTS  
**KEEP OUT OF REACH OF CHILDREN!** Store away from heat, sparks and open flame. Keep container closed when not in use. Avoid freezing conditions. Store at room temperature.

SPECIAL SHIPPING INFORMATION  
 Consumer Commodity, ORM-D Air: UN 1170, Ethanol Solutions in Limited Quantity, 3, III

**SECTION 8 - FIRST AID MEASURES**

SPECIFIC MEASURES  
 For Eyes: Flush with cool water for 15 minutes. If irritation occurs and persists, see physician.  
 For Ingestion: Call for medical advice immediately. DO NOT induce vomiting. Do not give anything by mouth unless directed to do so by a medical professional.

Complies with US FDA regulations for cosmetic products and/or over-the-counter drug products.

			<b><u>RATING</u></b>
			4 = EXTREME
			3 = SERIOUS
			2 = MODERATE
			1 = SLIGHT
			0 = MINIMAL
<b>HAZARD</b>	<b>NFPA</b>	<b>HMIS</b>	
HEALTH	0	0	
FLAMMABILITY	3	3	
INSTABILITY	0	0	

**SECTION 9 - PREPARATION DATE OF MSDS**

PREPARED BY (GROUP, DEPARTMENT, ETC.) SCOTT MAAG - VICE PRESIDENT OF OPERATIONS	PHONE NUMBER (314) 291-1900	DATE February 15, 2015
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