



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER BUCKEYE STAR SPRAY CONCENTRATE CODE: 5406		PRODUCT IDENTIFICATION NUMBER (PIN) Not Applicable	
PRODUCT USE Concentrated Glass Cleaner, Water Based			
MANUFACTURER'S NAME BUCKEYE INTERNATIONAL, INC.		SUPPLIER'S NAME	
STREET ADDRESS 2700 WAGNER PLACE		STREET ADDRESS	
CITY MARYLAND HEIGHTS	PROVINCE MISSOURI, U.S.A.	CITY	PROVINCE
POSTAL CODE 63043-3471	MEDICAL EMERGENCY TELEPHONE NUMBER 1-800-303-0441	POSTAL CODE	EMERGENCY TELEPHONE NO.
TRANSPORTATION EMERGENCY TELEPHONE NUMBER 1-800-535-5053			

## SECTION 2 - INGREDIENTS

INGREDIENTS	% wgt/wgt	CAS NUMBER	LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES)
Propylene Glycol Methyl Ether	10-30	107-98-2	Rat Oral 6.6 ml/kg	Not Available
Soft Water	60-100	7732-18-5	Not Available	Not Available
Alpha Olefin Sulfate	1-5	68784-79-2	Rat Oral 2.5 g/kg	Not Available

## SECTION 3 - PHYSICAL DATA

PHYSICAL STATE Liquid	ODOUR AND APPEARANCE Citrus Floral Fragrance; Clear Blue / Green Solution			
VAPOUR PRESSURE (mmHG) Not Available	VAPOUR DENSITY (Air=1) Not Available	EVAPORATION RATIO (Water =1) 1.0	BOILING POINT (°C) 100°	FREEZING POINT (°C) 0°
pH (CONC.) 9.0 ± 0.5	pH (USE DILUTION) 6.5 ± 0.5 1:40 (pH 7 DI water)	SPECIFIC GRAVITY 1.00 ± 0.01	COEFF. WATER/OIL DIST. Not Available	ODOUR THRESHOLD (ppm) Not Available

## SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY No	IF YES, UNDER WHICH CONDITIONS?	
MEANS OF EXTINCTION Not Applicable		
FLASHPOINT (°C) AND METHOD Tag Closed Cup-None!	UPPER FLAMMABLE LIMIT (% BY VOLUME) Not Applicable	LOWER FLAMMABLE LIMIT (% BY VOLUME) Not Applicable
HAZARDOUS COMBUSTION PRODUCTS Oxides of carbon and sulfur.		
EXPLOSION DATA	SENSITIVITY TO IMPACT Not Applicable	SENSITIVITY TO STATIC DISCHARGE Not Applicable

## SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY Yes	IF NO, UNDER WHICH CONDITIONS?
INCOMPATIBILITY WITH OTHER SUBSTANCES? Yes	IF SO, WHICH ONES? Do not mix with chlorine bleach.
REACTIVITY, AND UNDER WHAT CONDITIONS None Known	
HAZARDOUS DECOMPOSITION PRODUCTS None Known	

PRODUCT IDENTIFIER  
**BUCKEYE STAR SPRAY CONCENTRATE CODE 5406**

**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 and skin irritation, but not to an extent to be regulated under WHMIS.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT  
 None Known.

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

**SECTION 7 - PREVENTIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT

GLOVES (SPECIFY) Rubber gloves or other chemical resistant gloves. Needed for clean up of spill or for prolonged skin contact.	RESPIRATOR (SPECIFY) None Required	EYE (SPECIFY) When eye contact may occur, wear safety glasses or chemical splash goggles.
FOOTWEAR (SPECIFY) Normal Footwear	CLOTHING (SPECIFY) Normal Clothing	OTHER (SPECIFY) None under normal use.

ENGINEERING CONTROLS (SPECIFY: e.g. VENTILATION, ENCLOSED PROCESS.)  
 Maintain adequate room ventilation.

LEAK AND SPILL PROCEDURE  
 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  
 Wash thoroughly with soap and water after handling.

STORAGE REQUIREMENTS  
**KEEP OUT OF REACH OF CHILDREN!**  
 Store at room temperature.  
 Keep container closed when not in use.

SPECIAL SHIPPING INFORMATION  
 Compound, Cleaning, Liquid.

**SECTION 8 - FIRST AID MEASURES**

SPECIFIC MEASURES  
 For Eyes: Flush with cool water for 15 minutes. If irritation occurs and persists, see physician.  
 For Skin: Flush with 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.

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