

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Mildew Stain Remover		
PART NUMBER: 85616		
GENERAL USE: Cleaning agent		
PRODUCT DESCRIPTION: Clear liquid, mild lemon odor		
MANUFACTURER'S NAME Star brite Distributing, Inc.	DATE PREPARED: November 8, 2006 SUPERSEDES: April 19, 2006	Page 1 of 4
ADDRESS (NUMBER, STREET, P.O. BOX) 4041 S. W. 47 Avenue	TELEPHONE NUMBER FOR INFORMATION (954) 587-6280	
(CITY, STATE AND ZIP CODE) Ft. Lauderdale, FL 33314	COUNTRY USA	EMERGENCY TELEPHONE NUMBER Chemtrec (800) 424-9300 Outside USA (703) 527-3887
DISTRIBUTOR'S NAME Same		
ADDRESS (NUMBER, STREET, P.O. BOX)	TELEPHONE NUMBER FOR INFORMATION	
(CITY, STATE AND ZIP CODE)	COUNTRY	EMERGENCY TELEPHONE NUMBER

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	% (by weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES Full Text Section 16
Sodium hypochlorite (a)	10 - 30	7681-52-9	231-668-3	C	R-31, 34
(a) See Section 15					

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Corrosive. Causes chemical burns to skin and eyes. Hazard Symbols for this product: C, Risk Phrases - R31, 34

POTENTIAL HEALTH EFFECTS

INHALATION: Corrosive and irritating to upper respiratory tract and mucous membranes. May cause severe irritation and sneezing. Prolonged or repeated overexposure by inhalation may cause pneumonia, lung damage, damage to respiratory system, even death.

SKIN: Corrosive; chemical burns may result from contact. Repeated or prolonged skin contact may cause skin damage.

EYES: CORROSIVE; Contact with eyes is painful and irritating and will cause chemical burns, eye damage, blindness.

INGESTION: Corrosive and irritating to digestive tract; may cause severe irritation, tissue ulceration, gastrointestinal damage, circulatory collapse, convulsions, coma, even death.

CARCINOGENICITY NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

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SECTION 4 - FIRST AID MEASURES								
INHALATION: Remove affected person to fresh air; if not breathing give artificial respiration; if victim is conscious and alert, wash mouth and nasal passages with water repeatedly; if breathing is difficult give oxygen; seek medical attention.								
SKIN: Wash contacted area with plenty of water while removing contaminated clothing and shoes; DO NOT attempt to neutralize with chemical agents; seek medical attention.								
EYES: Check for and remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.								
INGESTION: Rinse mouth with water; drink large quantities of water; DO NOT induce vomiting; never give anything by mouth to an unconscious person; if vomiting occurs spontaneously, keep head below hips to prevent aspirating vomitus into lungs; seek medical attention immediately.								
SECTION 5 - FIRE FIGHTING MEASURES								
GENERAL HAZARDS: Product is corrosive. Products of combustion include compounds of carbon, hydrogen, chlorine and oxygen, including carbon monoxide.								
EXTINGUISHING MEDIA Water, water fog								
FIRE FIGHTING PROCEDURES Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non essential personnel. Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing.								
UNUSUAL FIRE AND EXPLOSION HAZARDS Product does not burn, but can provide oxygen which can intensify a fire. Toxic fumes may be released. Product is an oxidizer. It may react vigorously with organics or other materials resulting in an explosion and fire.								
HAZARDOUS COMBUSTION PRODUCTS Smoke, fumes or vapors, oxides of carbon.								
SECTION 6 - ACCIDENTAL RELEASE MEASURES								
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CAUTION - CORROSIVE. Product may be toxic to fish or aquatic life. Evacuate non essential personnel, eliminate ignition sources, and wear protective equipment. (See Section 3). Shut off source of leak only if safe to do so. Contain spill. Recover free product. To clean up residue, add reducing agents such as bisulfites or ferrous salt solutions. Some heat will be produced. Maintain pH on alkaline side (> 7.5) and dilute with large quantities of water. For spills in excess of allowable limits refer to CERCLA 40 CFR 302 for detailed instructions.								
SECTION 7 - HANDLING AND STORAGE								
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; Store in a cool dry place. Store out of direct sunlight and away from heat. Separate from oxidizing materials, metallic powders and other easily oxidized organic materials and reducing agents. Product is an oxidizer and may react vigorously with organic or other materials resulting in an explosion and fire. CAUTION - material is corrosive. Keep this and other chemicals out of reach of children.								
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION								
HAZARDOUS COMPONENTS	NIOSH				ACGIH			
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Sodium hypochlorite (a)			1			1		
PERSONAL PROTECTION:								
RESPIRATORY PROTECTION: If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical compliance with OSHA requirements in 29 CFR 1910.134 or European Standard EN 149 for complete regulations.. For emergencies, a NIOSH/MSHA approved positive pressure breathing								
PROTECTIVE GLOVES: Neoprene, butyl or nitrile rubber gloves with cuffs.								
EYE PROTECTION: Chemical goggles with face shield Refer to 29 CFR 1910.133 or European Standard EN166.								
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment worn to prevent skin contact, safety eyewash station nearby.								
WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.								

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE AND ODOR Clear liquid, mild lemon odor	VAPOR PRESSURE 17 mm Hg @ 20° C		
pH 10.0 - 11.0	SPECIFIC GRAVITY (WATER = 1) 1.0 - 1.1		
BOILING POINT / BOILING RANGE 232° F (111° C)	SOLUBILITY IN WATER Complete		
FLASH POINT Non-flammable	VISCOSITY Like that of water		
FLAMMABLE LIMITS LEL: Not applicable UEL: Not applicable	VAPOR DENSITY (AIR = 1) > 1		
AUTOIGNITION TEMPERATURE Not determined	EVAPORATION RATE (WATER = 1) < 1		
SECTION 10 - STABILITY AND REACTIVITY			
STABILITY	UNSTABLE: STABLE: XXX	CONDITIONS TO AVOID: Amphoteric metals, inorganic acids, organic acids, organic bases, hydrocarbons, organic mixtures.	
INCOMPATIBILITY (MATERIALS TO AVOID): Amphoteric metals, aluminum, copper, zinc, and brass; strong reducing agents, hydrogen, hydrazine, sulfides, sulfites, and nitrites.			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, chlorine, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.			
HAZARDOUS POLYMERIZATION	MAY OCCUR: WILL NOT OCCUR: XXX	CONDITIONS TO AVOID: None	
SECTION 11 - TOXICOLOGICAL INFORMATION			
Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Sodium hypochlorite (a)	7681-52-9 231-668-3	> 8190 mg / kg Oral - rat	293 / ppm / 1H Inhalation - rat
(a) See Section 15			
SECTION 12 - ECOLOGICAL INFORMATION			
No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Solids must be disposed of in a permitted waste management facility. Recovered liquids may be reprocessed or incinerated in a permitted facility capable of handling chlorine-containing compounds. Dispose of in accordance with Local, State, and Federal Regulations. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations for corrosive materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.			
SECTION 14 - TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Hypochlorite solution (< 15%)		IATA HAZARD CLASS / Pack Group: 8 / III	
DOT HAZARD CLASS / Pack Group: REFERENCE:		IMDG HAZARD CLASS: 8 / III	
UN / NA IDENTIFICATION NUMBER: LABEL:		RID/ADR Dangerous Goods Code: 8	
HAZARD SYMBOLS:		UN TDG Class / Pack Group: 8 / III	
		Hazard Identification Number (HIN): 80	
<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">UN1791</div> </div>			
Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.			

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SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories
Immediate health

313 Reportable Ingredients:
None

CERCLA (USA - Comprehensive Response Compensation and Liability Act)

(a) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture = 100 lbs) or greater amounts, according to 40 CFR 302.

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There are no chemicals present known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: E

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

WGK Water Quality Index: 2

VbK Index: Not applicable

RISK PHRASES:

R31 Contact with acids liberates toxic gas.
R34 Causes burns.

SYMBOL(S) REQUIRED FOR LABEL

Corrosive



SAFETY PHRASES:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)

SECTION 16 - OTHER INFORMATION

Notes & full R-Phrase text

R31 Contact with acids liberates toxic gas.
R34 Causes burns.

HMIS HAZARD RATINGS

HEALTH	2	* = Chronic Health Hazard	2 = MODERATE
FLAMMABILITY	0	0 = INSIGNIFICANT	3 = HIGH
PHYSICAL HAZARD	0	1 = SLIGHT	4 = EXTREME

PERSONAL PROTECTIVE EQUIPMENT C Safety Glasses, Gloves, Apron

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.