

MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION # : 314-647-1888
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I-PRODUCT IDENTIFICATION

MILDEW AWAY

PRODUCT CODE: #156A

CHEMICAL FORMULATION: MILDEW REMOVER

NFPA HAZARD IDENTIFICATION SYSTEM:

HEALTH:2

FLAMMABILITY: 0

REACTIVITY: 1

HAZARD RATING: 4- Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity; Common Name (s))

CAS #	OSHA PEL	ACGIHTLV	Other Limits Recommended	% optional
SODIUM HYPOCHLORITE	7681-52-9			

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit

N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III/ List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III/ List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - PHYSICAL DATA

BOILING POINT (C/F): 212+F/100+C	MELTING POINT:
VAPOR PRESSURE (mm Hg.)@20C 34	SPECIFIC GRAVITY (WATER = 1): 1.028
CORROSION RATE: N/E	FREEZING POINT: 30°F
VAPOR DENSITY (AIR = 1): 1	VOC CONTENT (% by weight):
LBS PER GAL DENSITY: 8.57 LB	VISCOSITY: WATER LIKE
CORROSION RATE: N/A	% VOLATILE: 98%
SOLUBILITY IN WATER: COMPLETE	EVAPORATION RATE (Water = 1): 1
	pH: 12.5

APPEARANCE AND ODOR: CLEAR COLORED LIQUID; MILD ODOR

IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (F/(C)): NONE TCC

(TEST METHOD):

FLAMMABLE LIMITS: N/A

UPPER: N/A

LOWER: N/A

EXTINGUISHING MEDIA: PRODUCT WILL NOT BURN. USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRES.

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS AND STRUCTURES EXPOSED TO FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARD: CONTAINERS OF THIS MATERIAL CAN EXPLODE AS OXYGEN IS LIBERATED UNDER HIGH HEAT OR FIRE CONDITIONS. TOXIC FUMES SIMILAR TO CHLORINE GAS ARE LIBERATED BY CONTACT WITH ACIDS, SOME DETERGENT CLEANERS, ORGANIC MATERIALS, OXIDIZING MATERIALS AND SOME REDUCING MATERIALS.

V - REACTIVITY DATA

STABILITY:	STABLE
INCOMPATIBILITY:	AMMONIA, BOWL CLEANERS, HYDROCHLORIC ACID, STRONG OXIDIZING AGENTS.
CONDITIONS TO AVOID:	AVOID CONTACT WITH AMMONIA, BOWL CLEANERS AND HYDROCHLORIC ACID
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	CHLORINE, HYPOCHLORITE, HCl
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS TO AVOID:	N/A

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VI - HEALTH AND HAZARD DATA

ROUTES OF ENTRY: INHALATION? YES SKIN? YES INGESTION? YES
HEALTH HAZARDS (ACUTE & CHRONIC): SKIN: MAY IRRITATE SKIN. EYE: MAY CAUSE SEVERE EYE IRRITATION AND DAMAGE TO EYES. INHALATION: FUMES OR MIST MAY CAUSE REPARATORY IRRITATION OF MUCOUS MEMBRANES. IF THIS PRODUCT IS MIXED WITH AMMONIA OF OTHER CHEMICALS, EVOLUTIONS OF CHLORINE BASED COMPOUNDS RESULT. THESE GASES CAN PRODUCT PULMONARY EDEMA. NEVER MIX THIS PRODUCT WITH ANY OTHER CHEMICALS. INGESTION: CONTACT WITH MIST OR LIQUID ARE EXTREMELY CORROSIVE TO MOUTH, THROAT, MUCOUS MEMBRANES AND STOMACH. MAY BE FATAL IF SWALLOWED IN LARGE AMOUNTS.

CARCINOGENICITY? NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

EFFECTS OF OVEREXPOSURE

IF IN EYES: SEVERE IRRITATION AND POSSIBLE EYE DAMAGE

IF ON SKIN: REDNESS AND OR IRRITATION

IF SWALLOWED: ABDOMINAL PAIN, CONFUSION, DELIRIUM AND COMA.

IF INHALED: NAUSEA, DIZZINESS, AND ABDOMINAL PAIN.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: FLUSH WITH WATER FOR 15 MINUTES AND CONSULT A PHYSICIAN.

IF ON SKIN: WASH WITH SOAP AND WATER; WASH CLOTHES BEFORE REUSE.

IF SWALLOWED: GIVE LARGE AMOUNTS OF WATER OR MILK AND GET IMMEDIATE MEDICAL AID. DO NOT INDUCE VOMITING.

IF INHALED: REMOVE PERSON TO FRESH AIR AND GET IMMEDIATE MEDICAL AID. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON

VII - SPILL AND LEAK PROTECTION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: VENTILATE AREA AND PICK UP SPILLAGE WITH ABSORBENT MATERIAL AND SWEEP UP. FLUSH AREA WITH WATER. CAUTION. FLOORS MAY BE SLIPPERY. TAKE CARE TO AVOID FALLS.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE & LOCAL REGULATIONS.

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VIII - SPECIAL PROTECTION INFORMATION

VENTILATION: Local Exhaust: N/A Mechanical (General): N/A Special: N/A
Other: N/A

RESPIRATORY PROTECTION: NONE WITH NORMAL VENTILATION

PROTECTIVE GLOVES: RUBBER GLOVES ARE SUGGESTED FOR PROLONGED CONTACT.

EYE PROTECTION: TO PROTECT EYES

OTHER PROTECTIVE EQUIPMENT: NONE REQUIRED

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP OUT OF REACH OF CHILDREN!

OTHER PRECAUTIONS: N/A

WORK/HYGIENIC PRACTICES : USE GOOD PERSONAL HYGIENE. WASH HANDS AFTER USE. DO NOT EAT, DRINK OR SMOKE WHILE USING PRODUCT.

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Prepared By:

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