

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: COOLING TOWER LAY-UP TREATMENT #89

PRODUCT NUMBER: DMN-58

CHEMICAL FAMILY: TERPENES

LAST REVISED: 2/15/88

PHYSICAL HAZARD: COMBUSTIBLE

HEALTH HAZARD: IRRITANT, SENSITIZER

DAMON INDUSTRIES, INC.

HAZARD RATINGS: HEALTH: 1

BOX 2120, ALLIANCE, OH 44601

FLAMMABILITY: 1

REACTIVITY: 0

0 = Insignificant 2 = Moderate 4 = Severe

1 = Slight 3 = Serious

24 hour Emergency Only phone: 1-800-535-5053

INFORMATION PHONES: 1-800-362-9850 or 330-821-5310

FAX: 330-821-6355

D.O.T. HAZARD CLASS: COMBUSTIBLE LIQUID

--- SECTION 2 - HAZARDOUS INGREDIENTS ---

INGREDIENT	CAS NO.	PERCENT	OSHA PEL	ACGIH TLV	OTHER
TERPENES	68647-72-3	> 60%	N/E	N/E	N/E

NOTE: NONE=NO LIMIT, N/E=LIMIT NOT ESTABLISHED, N/A=NO DATA AVAILABLE

----- SECTION 3 - PHYSICAL DATA -----

BOILING POINT: 345° F.

SPECIFIC GRAVITY: 0.84

VAPOR PRESSURE: N/A

PERCENT VOLATILES: 100%

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: SLIGHT pH: NOT APPLICABLE

APPEARANCE AND ODOR: CLEAR ORANGE LIQUID WITH ORANGE ODOR.

EYE CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

SKIN CONTACT: WASH WITH SOAP AND WATER.

INGESTION: DO NOT INDUCE VOMITING. KEEP PERSON WARM, QUIET, AND GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION: REMOVE PERSON TO FRESH AIR. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

-- SECTION 4 - FIRE AND EXPLOSION DATA --

FLASH POINT: 112° F. ASTM D-56

LOWER EXPLOSIVE LIMIT: NOT APPLICABLE

UPPER EXPLOSIVE LIMIT: NOT APPLICABLE

EXTINGUISHING MEDIA: WATER FOG, CARBON DIOXIDE, FOAM OR DRY CHEMICAL.

SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE-PIECE OPERATED IN A POSITIVE MODE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DO NOT USE AROUND HEAT, SPARKS, TORCH OR HOT OBJECTS.

--- SECTION 7 - STORAGE AND SPILL/LEAK PROCEDURES ---

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE IN A COOL PLACE, AWAY FROM SOURCES OF IGNITION.

EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND MAY BE HAZARDOUS. OBSERVE ALL PRECAUTIONS GIVEN IN THIS DATA SHEET.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: WIPE UP WITH RAG OR PAPER. DISPOSE OF RAGS IMMEDIATELY TO PREVENT HAVING A FIRE HAZARD. ALSO MAY WASH TO DRAIN WITH A LARGE EXCESS OF WATER.

LARGE SPILL: ELIMINATE ALL SOURCES OF IGNITION. ABSORB LIQUID ON FLOOR ABSORBENT OR OTHER MATERIAL.

WASTE DISPOSAL METHOD:

SMALL SPILL: DISPOSE OF RAGS OR ABSORBENT MATERIAL IN TRASH.

LARGE SPILL: PRODUCT DILUTED WITH WATER AT 1:100 MAY BE FLUSHED TO SEWER. PRODUCT IS BIODEGRADABLE BY WASTEWATER TREATMENT. OBSERVE ALL LOCAL, STATE AND FEDERAL REGULATIONS. IN SOME LOCALITIES THE ABSORBENT MATERIAL MAY BE DISPOSED OF IN TRASH. IN OTHER AREAS IT MAY REQUIRE SPECIAL INCINERATION OR OTHER HAZARDOUS WASTE DISPOSAL.

----- SECTION 5 - REACTIVITY DATA -----

STABILITY: STABLE

INCOMPATIBILITY: STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

----- SECTION 6 - HEALTH HAZARD DATA ----

THRESHOLD LIMIT VALUE (TLV): NONE KNOWN (SEE INDIVIDUAL INGREDIENTS)

PRIMARY ROUTES OF ENTRY: __THROUGH SKIN __INHALATION
XINGESTION

EFFECTS OF OVEREXPOSURE:

EYES - MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.

SKIN - MAY CAUSE IRRITATION, DEFATTING OR DERMATITIS.

SWALLOWING - MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

BREATHING - MAY CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS AND NAUSEA.

FIRST AID PROCEDURES:

--- SECTION 8 - PROTECTIVE EQUIPMENT ---

RESPIRATORY PROTECTION: NONE REQUIRED WHEN USED ACCORDING TO LABEL DIRECTIONS.

VENTILATION: NONE

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS: NEOPRENE

EYE PROTECTION: EYE PROTECTION IS ADVISED WITH ALL CHEMICALS.

OTHER PROTECTIVE EQUIPMENT: NONE.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.