



chemists helping chemists in research & industry

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DATE: 07/21/92
CUST#: 946188
PO#: P0071984

M A T E R I A L S A F E T Y D A T A S H E E T

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IDENTIFICATION

PRODUCT #: L55-6
CAS #: 143-07-7
MF: C12H24O2

NAME: LAURIC ACID, 98%

SYNONYMS

C-1297 * DODECANOIC ACID * N-DODECANOIC ACID * DODECOIC ACID *
DODECYLIC ACID * HYDROFOL ACID 1255 * HYDROFOL ACID 1295 * HYSTRENE
9512 * LAUROSTEARIC ACID * NEO-FAT 12 * NEO-FAT 12-43 * NINOL AA62
EXTRA * 1-UNDECANECARBOXYLIC ACID * WECOLINE 1295 *

TOXICITY HAZARDS

RTECS NO: DE9800000

LAURIC ACID

IRRITATION DATA

SKN-RBT 500 MG MLD

JACTDZ 6(3),321,87

EYE-RBT 100 MG MLD

JACTDZ 6(3),321,87

TOXICITY DATA

IVN-MUS LD50:131 MG/KG

APTOA6 18,141,61

ORL-RAT LD50:12 GM/KG

FDRLI* 123,-,76

REVIEWS, STANDARDS, AND REGULATIONS

NOHS 1974: HZD 84696; NIS 14; TNF 1256; NOS 34; TNE 14960

NOES 1983: HZD 84696; NIS 51; TNF 4690; NOS 50; TNE 77970; TFE 17300

EPA TSCA CHEMICAL INVENTORY, JUNE 1990

TARGET ORGAN DATA

BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS)
DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

HEALTH HAZARD DATA

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
CAUSES EYE AND SKIN IRRITATION.

FIRST AID

CONTAMINATION OF THE EYES SHOULD BE TREATED BY IMMEDIATE AND PROLONGED
IRRIGATION WITH COPIOUS AMOUNTS OF WATER.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS
AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL

CONTINUED ON NEXT PAGE

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HEALTH HAZARD DATA

RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

PHYSICAL DATA

BOILING PT: 225 C/100MM.
MELTING PT: 45 C TO 48 C
SPECIFIC GRAVITY: 0.883
VAPOR PRESSURE: 1 MM @ 121 C
50 MM @ 210 C

APPEARANCE AND ODOR
WHITE POWDER AND FLAKES

FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: >230
EXTINGUISHING MEDIA
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
WATER SPRAY.
SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.
UNUSUAL FIRE AND EXPLOSIONS HAZARDS
THIS MATERIAL, LIKE MOST MATERIALS IN POWDER FORM, IS CAPABLE OF
CREATING A DUST EXPLOSION.

REACTIVITY DATA

INCOMPATIBILITIES
BASES
OXIDIZING AGENTS
REDUCING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY

CONTINUED ON NEXT PAGE

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----- SPILL OR LEAK PROCEDURES -----

RUBBER GLOVES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

CHEMICAL SAFETY GOGGLES.

RUBBER GLOVES.

NIOSH/MSHA-APPROVED RESPIRATOR.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

AVOID CONTACT AND INHALATION.

WASH THOROUGHLY AFTER HANDLING.

IRRITANT.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

LABEL PRECAUTIONARY STATEMENTS

IRRITANT

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLenty OF WATER AND SEEK MEDICAL ADVICE.

WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.

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