



## **Aldehyde C12 (Lauric) CAS No.112-54-9**

### **SECTION 1 - PRODUCT**

Product Name: DODECANAL BRI (ALDEHYDE C-12) FCC

### **SECTION 2 - HAZARDS IDENTIFICATION**

#### **HMIS HAZARD CLASSIFICATIONS**

HEALTH = 1 FLAMMABILITY = 1 REACTIVITY = 0 PROTECTION = B

#### **LABEL PRECAUTIONARY STATEMENTS**

#### **U.S. HAZARD LABELING**

Irritating to skin and eyes.

Keep under nitrogen.

#### **EUROPEAN SYMBOLS**

Dangerous for the environment

Irritant

#### **EUROPEAN R PHRASES**

Irritating to eyes and skin.

Toxic to aquatic organisms, and may cause long-term adverse effects in the

aquatic environment.

#### **EUROPEAN S PHRASES**

Avoid release to the environment, refer to special instructions/safety datasheets.

### **SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

CAS #: 112-54-9

FEMA #: 2615 COE #: 99

MF: C12H24O

EC NO: 203-983-6

SYNONYM(S)

Dodecanal

Lauraldehyde

Lauric aldehyde

Lauryl aldehyde

### **SECTION 4 - FIRST-AID MEASURES**

**INHALATION EXPOSURE:** Remove to fresh air. Give oxygen and call a physician.

**EYE CONTACT:** Flush with water for 15 min. Seek medical help if necessary.

**SKIN CONTACT:** Wash area well with water. Seek medical help if necessary.

**INGESTION:** Administer water and call a physician or poison control center immediately. Do not induce vomiting.

### **SECTION 5 - FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

CO<sub>2</sub>, FOAM, DRY CHEMICAL

**SPECIAL FIRE FIGHTING PROCEDURES**

Use standard fire fighting procedures.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

None.

### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Standard absorbents can be used.

Wet used absorbent with water; store in air-tight container.

**WASTE DISPOSAL METHOD:** Incineration or sanitary landfill in accordance with local, state, and federal regulations.

## **SECTION 7 - HANDLING AND STORAGE**

### **HANDLING**

Observe all warnings and precautions listed for the product. Use in accordance with good manufacturing and industrial hygiene practices. Use product in a properly ventilated work area. Do not eat, drink or smoke while handling product.

### **STORAGE**

Store tightly sealed under inert gas in a cool, well-ventilated area.

### **FIRE PROTECTION**

Keep away from heat, sparks, and open flame.

## **SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**VENTILATION:** Local exhaust preferred. General ventilation required.

**RESPIRATORY:** Usually not required. Avoid inhaling concentrated vapors.

**SKIN:** Avoid skin contact. Use chemical resistant gloves.

**EYES:** Splash-proof safety glasses or goggles.

**OTHER PROTECTIVE EQUIPMENT:** Safety shower, eye wash

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**APPEARANCE:** colorless to light yellow liquid

**ODOR DESCRIPTION:** a fresh, citrus odor

**BOILING POINT:** 185C @ 100 mm Hg

**VAPOR PRESSURE :** 0.03 mmHg @ 20 C FMA

**VAPOR DENSITY (Air = 1):** > 1

**SPECIFIC GRAVITY @ 25C (water = 1):** 0.8260:0.8360

**SOLUBILITY IN WATER:** Almost insoluble in water.

**FLASH POINT (CC):** 210 F 98 C

## **SECTION 10 - STABILITY AND REACTIVITY**

## INCOMPATIBILITIES

CONDITIONS TO AVOID: Presents no special reactivity hazard.

MATERIALS TO AVOID: Strong oxidizing agents

## HAZARDOUS COMBUSTION PRODUCTS

CO, CO<sub>2</sub>, water

## SECTION 11 - TOXICOLOGICAL INFORMATION

### ACUTE EFFECTS

Most likely route of entry is through the skin.

Full strength is irritating to skin and eyes.

### IRRITATION DATA

5% in petrolatum produced no irritation in humans.

Eye Rabbit: irritant effects at 0.50%.

Skin Human: irritant effects at 0.50%.

### TOXICITY DATA

LD<sub>50</sub> Dermal (rabbit) > 5 g/kg.

LD<sub>50</sub> Oral (rat) > 5 g/kg.

THRESHOLD LIMIT VALUE (TLV): Not established

OSHA PERMISSIBLE EXPOSURE LIMIT (PEL): Not established

LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

## SECTION 12 - ECOLOGICAL INFORMATION

### GENERAL

Prevent contamination of soil, ground- and surface water.

## SECTION 13 - DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

## SECTION 14 - TRANSPORT INFORMATION

Class Pack Group Sub. Risk UN No.

Road(U.S.-DOT): not regulated.

Air (IATA): not regulated.

Sea (IMDG): not regulated.

## SECTION 15 - REGULATORY INFORMATION

## EUROPEAN INFORMATION

Dangerous for the environment

Irritant

The following risk and safety phrases were assigned based on toxicological

studies in the published literature:

R36/38

Irritating to eyes and skin.

R51/53

Toxic to aquatic organisms, and may cause long-term adverse effects in the

aquatic environment.

S61

Avoid release to the environment, refer to special instructions/safety

datasheets.

## REVIEWS, STANDARDS, AND REGULATIONS

This chemical is listed on the following inventories:

TSCA AICS CHINA DSL ECL EINECS(203-983-6) ENCS PICCS

LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

## SECTION 16 - OTHER INFORMATION

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