

40007

O-731

Chem Service, Inc.
MATERIAL SAFETY DATA SHEET

Printed: 06/06/2003
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SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Catalog Number: O-731
Description: n-Dodecane
Other Name(s): Alkane C12

Supplied by CHEM SERVICE, Inc. PO BOX 599, WEST CHESTER, PA 19381 (610)-692-3026
EMERGENCY PHONE: 1-610-692-3026

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS No.: 112-40-3
Description: n-Dodecane
EINECS No.: 203-967-9
Hazard Symbols: Not Available

SECTION 3 - HAZARDS IDENTIFICATION

Contact lenses should not be worn in the laboratory.
All chemicals should be considered hazardous - Avoid direct physical contact!
Possible Carcinogen. May be harmful if absorbed through the skin. May be harmful if inhaled.
May be harmful if swallowed. Can be irritating to mucous membranes. Can cause skin irritation
Can cause eye irritation.

SECTION 4 - FIRST AID MEASURES

An antidote is a substance intended to counteract the effect of a poison. It should be administered only by a physician or trained emergency personnel. Medical advice can be obtained from a POISON CONTROL CENTER.

In case of contact: Flush eyes continuously with water for 15-20 minutes. Flush skin with water for 15-20 minutes. If no burns have occurred-use soap and water to cleanse skin.
If inhaled remove patient to fresh air. Administer oxygen if patient is having difficulty breathing. If patient has stopped breathing administer artificial respirations.
If patient is in cardiac arrest administer CPR.
Continue life supporting measures until medical assistance has arrived.

SECTION 5 - FIRE AND EXPLOSION DATA

Flash Point: 71 C This is a combustible compound.
Extinguishing Media: Carbon dioxide, dry chemical powder or spray.
Upper Explosion Limit: Not Available
Lower Explosion Limit: 60%
Autoignition Temperature: 205 C
NFPA Hazard Rating:
Health: 1
Flammability: 2
Reactivity: 0
Special: 0 - Least, 1 - Slight, 2 - Moderate, 3 - High, 4 - Severe

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills or leaks: Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area. Absorb on vermiculite or similar material. Sweep up and place in an appropriate container. Hold for disposal.

Wash contaminated surfaces to remove any residues.
Remove contaminated clothing and wash before reuse.

SECTION 7 - HANDLING AND STORAGE

Handling:

This chemical should be handled only in a hood. Eye shields should be worn. Use appropriate OSHA/MSHA approved safety equipment. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling.

Storage:

Store in a cool dry place. Store only with compatible chemicals. Keep tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL (TWA): Not Available

ACGIH TLV (TWA): Not Available

ACGIH TLV (STEL): Not Available

Personal Protective Equipment

Eyes: Wear Safety Glasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant a respirator's use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Color:	Colorless
Phase:	Liquid
Melting Point:	-9.6 C
Boiling Point:	217 C
Specific Gravity:	0.749
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Solubility in Water:	Insoluble (immiscible)
Odor:	Not Available
Evaporation Rate (Butyl acetate=1):	Not Available
Molecular Weight	170.34
Molecular Formula	C12H26

SECTION 10 - STABILITY AND REACTIVITY

Incompatible with strong oxidizing agents. Decomposition liberates toxic fumes. Decomposition products are corrosive. Combustible.

SECTION 11 - TOXICOLOGY INFORMATION

RTECS: JR2125000

Oral Rat or Mouse LD50: Not Available

Dermal Rat or Mouse LD50: N/A

Rat or Mouse LC50: >142 ppm/8H

Carcinogenicity

OSHA: No

IARC: No

NTP: No

ACGIH: No

NIOSH: No

Other: Yes

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

Environmental Fate: Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL: Burn in a chemicals incinerator equipped with an afterburner and scrubber.

SECTION 14 - TRANSPORTATION INFORMATION

Not regulated as a hazardous material.

SECTION 15 - REGULATORY INFORMATION

European Labeling in Accordance with EC Directives

Hazard Symbols: Not Available

Risk Phrases

65/66

Safety Phrases

24/25/28A/36/37/45/60,/62

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct on the date it is published and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that

if other hazards become evident, an upgraded MSDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

Persons not specifically and properly trained should not handle this chemical or its container. This MSDS is provided without any warranty expressed or implied, including merchantability or fitness for any particular purpose.

This product is furnished FOR LABORATORY USE ONLY! Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.