

Language: EN
Country:

**** MATERIAL SAFETY DATA SHEET ****

Dodecyl isocyanate, 99%

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Dodecyl isocyanate, 99%

Catalog Numbers:

40927-0000, 40927-0025

Synonyms:

Company Identification (Europe): Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium

Company Identification (USA): Acros Organics
One Reagent Lane
Fairlawn, NJ 07410

For information in North America, call: 800-ACROS-01

For information in Europe, call: 0032(0) 14575211

For emergencies in the US, call CHEMTREC: 800-424-9300

For emergencies in Europe, call: 0032(0) 14575299

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%
4202-38-4	Dodecyl isocyanate	99%
224-111-0		

Hazard Symbols: XN

Risk Phrases: 20/21/22 36/37/38

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Harmful by inhalation, in contact with skin and if swallowed.
Irritating to eyes, respiratory system and skin. Moisture sensitive.

Potential Health Effects

Eye:

Causes eye irritation. Lachrymator (substance which increases the flow of tears).

Skin:

Causes skin irritation. Harmful if absorbed through the skin.

Ingestion:

Harmful if swallowed. May cause irritation of the digestive tract.

Inhalation:

Causes respiratory tract irritation. Harmful if inhaled.

Chronic:

Repeated exposure may cause allergic respiratory reaction (asthma). Prolonged or repeated exposure may cause sensitization in certain sensitive individuals.

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

Eyes:
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:
Get medical aid. Wash mouth out with water.

Inhalation:
Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

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

General Information:
As in any fire, wear a self-contained breathing apparatus in full pressure-demand, MSHA/NIOSH (approved or equivalent), and protective gear.

Extinguishing Media:
Use dry chemical, carbon dioxide, or appropriate foam.

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

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:
Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage:
Store in a cool, dry place. Store in a tightly closed container.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:
Facilities storing or utilizing this material should be equipped

with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Personal Protective Equipment

Eyes: Wear chemical goggles.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to minimize contact with skin.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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

Physical State: Clear liquid
Color: colorless
Odor: sharp odor
pH: Not available.
Vapor Pressure: Not available.
Viscosity: Not available.
Boiling Point: 132 deg C @ 5mmHg
Freezing/Melting Point: Not available.
Autoignition Temperature: Not available.
Flash Point: 134 deg C (273.20 deg F)
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water: Negligible.
Specific Gravity/Density:
Molecular Formula: C13H25NO
Molecular Weight: 211.35

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

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, exposure to moist air or water, heat.
Incompatibilities with Other Materials: Strong oxidizing agents, strong acids, strong bases, alcohols, amines.
Hazardous Decomposition Products: Hydrogen cyanide, carbon monoxide, oxides of nitrogen, carbon dioxide.
Hazardous Polymerization: Will not occur.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS#:

CAS# 4202-38-4 unlisted.

LD50/LC50:

Not available.

Carcinogenicity:

Dodecyl isocyanate -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Dispose of in a manner consistent with federal, state, and local regulations.

**** SECTION 14 - TRANSPORT INFORMATION ****

IATA

No information available.

IMO

Shipping Name:

Hazard Class:

UN Number: 2206

Packing Group:

RID/ADR

Shipping Name:

Hazard Class: 6.1

UN Number: 2206

Packing group: III

**** SECTION 15 - REGULATORY INFORMATION ****

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

with R 20/21/22 Harmful by inhalation, in contact
skin and if swallowed.

system R 36/37/38 Irritating to eyes, respiratory
and skin.

immediately Safety Phrases:
S 26 In case of contact with eyes, rinse
with plenty of water and seek medical advice.

gloves S 36/37/39 Wear suitable protective clothing,
and eye/face protection.

WGK (Water Danger/Protection)

CAS# 4202-38-4: No information available.

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 4202-38-4 is listed on Canada's NDSL List.

CAS# 4202-38-4 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 4202-38-4 is listed on the TSCA inventory.

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 7/16/1996 Revision #1 Date: 11/21/2002

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