

Language: EN

Country:

## \*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

Hexyl isocyanate, 99%

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

MSDS Name: Hexyl isocyanate, 99%

Catalog Numbers:

41166-0000, 41166-0050, 41166-0250, 41166-1000

Synonyms:

1-Isocyanatohexane

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	%	EINECS#	Haz Symbols	Risk
2525-62-4	Hexyl isocyanate	99%	219-763-8		

Hazard Symbols: XI

Risk Phrases: 36/37/38

## \*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

## EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin. The toxicological properties of this material have not been fully investigated. Moisture sensitive.

## Potential Health Effects

## Eye:

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

## Skin:

Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

## Ingestion:

The toxicological properties of this substance have not been fully investigated.

## Inhalation:

Causes respiratory tract irritation.

## Chronic:

No information found.

## \*\*\*\* 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 pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Combustible liquid.

Extinguishing Media:

Use carbon dioxide or dry chemical.

\*\*\*\* 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. Remove all sources of ignition. Use a spark-proof tool.

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

Handling:

Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage:

Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

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

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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: Liquid  
Color: colorless or slight yellow  
Odor: sharp odor  
pH: Not available.  
Vapor Pressure: .7 mm Hg @ 20 deg C  
Viscosity: Not available.  
Boiling Point: 162.00 - 164.00 deg C @ 760.0  
Freezing/Melting Point: 0 deg C  
Autoignition Temperature: Not available.  
Flash Point: 59 deg C ( 138.20 deg F)  
Explosion Limits, lower: Not available.  
Explosion Limits, upper: Not available.  
Decomposition Temperature:  
Solubility in water: decomposes in contact with water  
Specific Gravity/Density:  
Molecular Formula: CH<sub>3</sub>(CH<sub>2</sub>)<sub>5</sub>NCO  
Molecular Weight: 127.19

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

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, exposure to moist air or water.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong acids, strong bases, alcohols, amines.

Hazardous Decomposition Products:

Carbon monoxide, oxides of nitrogen, carbon dioxide.  
Hazardous Polymerization: Will not occur.

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

RTECS#:  
CAS# 2525-62-4 unlisted.  
LD50/LC50:  
Not available.  
Carcinogenicity:  
Hexyl 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  
Shipping Name: ISOCYANATES, TOXIC, N.O.S.\*  
Hazard Class: 6.1  
UN Number: 2206  
Packing Group: III  
IMO  
Shipping Name: ISOCYANATE SOLUTION, TOXIC, N.O.S.  
Hazard Class: 6.1  
UN Number: 2206  
Packing Group: III  
RID/ADR  
Shipping Name: ISOCYANATES, TOXIC, N.O.S.  
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: XI  
Risk Phrases:  
R 36/37/38 Irritating to eyes, respiratory system  
and skin.  
Safety Phrases:  
S 26 In case of contact with eyes, rinse immediately  
with plenty of water and seek medical advice.  
S 37/39 Wear suitable gloves and eye/face  
protection.  
WGK (Water Danger/Protection)  
CAS# 2525-62-4: No information available.  
United Kingdom Occupational Exposure Limits  
United Kingdom Maximum Exposure Limits  
Canada  
CAS# 2525-62-4 is listed on Canada's NDSL List.  
CAS# 2525-62-4 is not listed on Canada's Ingredient Disclosure List.  
Exposure Limits  
US FEDERAL  
TSCA  
CAS# 2525-62-4 is listed on the TSCA inventory.

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

MSDS Creation Date: 7/16/1996 Revision #0 Date: Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be

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