

Creation Date 15-Mar-2010 Revision Date 15-Mar-2010 Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name Adipoyl chloride

Cat No. 173180000; 173180050; 173181000; 173185000

Synonyms Hexanedioyl dichloride.
Recommended Use Laboratory chemicals

Company Acros Organics BVBA

Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium

Emergency Telephone Number For information in the US, call: 800-ACROS-01

For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99 Emergency Number, US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300 CHEMTREC Phone Number, Europe: 703-527-3887

2. HAZARDS IDENTIFICATION

The product is classified as dangerous in accordance with Directive 1999/45/EC or 67/548/EEC.

Properties Affecting Health Lachrymator (substance which increases the flow of tears)..

С



R -phrase(s)

R14 - Reacts violently with water

R29 - Contact with water liberates toxic gas

R34 - Causes burns

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

3. COMPOSITION/INFORMATION ON INGREDIENTS

Haz/Non-haz

Component	Weight %	EC No.	Classification
Adipoyl chloride 111-50-2	>95	EEC No. 203-876-4	R14-29 Xn;R20/21/22 C:R34



Adipoyl chloride Revision Date 15-Mar-2010

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

General Advice If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Immediate medical attention is required.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention

is required.

Ingestion Do not induce vomiting. Call a physician or Poison Control Center immediately.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation

if victim ingested or inhaled the substance; induce artificial respiration with a respiratory

medical device. Immediate medical attention is required.

Notes to Physician Treat symptomatically.

Protection of First-aidersUse personal protective equipment.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

CO₂, dry chemical, dry sand, alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons

Water

Specific Hazards Arising from the Chemical

Reacts violently with water. Contact with water liberates toxic gas. Combustible material.

Protective Equipment and Precautions for Firefighters

Thermal decomposition can lead to release of irritating gases and vapors. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Flash Point 72°C / 161.6°F

Method No information available.

Autoignition Temperature No information available.



Revision Date 15-Mar-2010 Adipoyl chloride

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Ensure adequate ventilation. Use personal protective equipment. Keep people away from and

upwind of spill/leak. Evacuate personnel to safe areas.

Should not be released into the environment. **Environmental Precautions**

Soak up with inert absorbent material Keep in suitable and closed containers for disposal Do **Methods for Containment and Clean**

not expose spill to water Up

7. HANDLING AND STORAGE

Handling Use only under a chemical fume hood. Wear personal protective equipment. Do not get in

eyes, on skin, or on clothing. Do not allow contact with water. Do not breathe vapors/dust. Do

not ingest.

Keep away from water. Keep containers tightly closed in a dry, cool and well-ventilated place. **Storage**

Corrosives area. Store under an inert atmosphere.

No information available. Specific use(s)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

The product does not contain any hazardous materials with occupational exposure limits established.

Occupational exposure controls

Use only under a chemical fume hood Ensure that eyewash stations and safety showers are **Engineering Measures**

close to the workstation location

Personal Protective Equipment

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN

149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits

are exceeded or if irritation or other symptoms are experienced.

Eye Protection Tightly fitting safety goggles

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure. **Hand Protection** Protective gloves

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and **Hygiene Measures**

clothing.

No information available. **Environmental exposure controls**

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid



Adipoyl chloride Revision Date 15-Mar-2010

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Brown odor pungent

pHNo information available.Vapor Pressure2 mmHg @ 20 °CVapor DensityNo information available.

Boiling Point/Range 105 - 107°C / 221 - 224.6°F2 mmHg

Melting Point/Range No information available.

Flash Point 72°C / 161.6°F

Evaporation RateNo information available.

Water Solubility reacts Specific Gravity 1.250

Molecular Formula C6 H8 Cl2 O2

Molecular Weight 183.03

10. STABILITY AND REACTIVITY

Stability Reacts violently with water. Moisture sensitive.

Conditions to Avoid Incompatible products. Excess heat. Exposure to moist air or water. Exposure to moisture.

Incompatible Materials Strong oxidizing agents, Water, Reducing agents, Bases, Alcohols, Amines

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO2), Hydrogen chloride gas

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions . Reacts violently with water..

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

SensitizationNo information available.Neurological EffectsNo information available.

Mutagenic Effects No information available.

Reproductive EffectsNo information available.



Adipoyl chloride Revision Date 15-Mar-2010

Developmental Effects No information available.

Target Organs Skin, Respiratory system, Eyes, Gastrointestinal tract (GI).

Other Adverse Effects The toxicological properties have not been fully investigated...

12. ECOLOGICAL INFORMATION

Ecotoxicity

Do not empty into drains.

No information available Persistence and Degradability **Bioaccumulative Potential** No information available. **Mobility** No information available.

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused

Products

Dispose of in accordance with local regulations

Empty containers should be taken for local recycling, recovery or waste disposal **Contaminated Packaging**

14. TRANSPORT INFORMATION

IMDG/IMO

UN-No UN2922 **Hazard Class** 8 **Subsidiary Hazard Class** 6.1 **Packing Group**

Corrosive liquid, toxic, n.o.s **Proper Shipping Name**

ADR

UN-No UN2922 **Hazard Class** 8 **Subsidiary Class** 6.1 **Packing Group**

Proper Shipping Name Corrosive liquid, toxic, n.o.s

IATA

UN-No UN2922 **Hazard Class**



Adipoyl chloride Revision Date 15-Mar-2010

14. TRANSPORT INFORMATION

Subsidiary Hazard Class Packing Group

6.1 II

Proper Shipping Name

Corrosive liquid, toxic, n.o.s

15. REGULATORY INFORMATION

The product is classified as dangerous in accordance with Directive 1999/45/EC or 67/548/EEC

Labelling

Symbol(s)

C - Corrosive



R -phrase(s)

R14 - Reacts violently with water

R29 - Contact with water liberates toxic gas

R34 - Causes burns

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

S -phrase(s)

S 8 - Keep container dry

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

International Inventories

Co	mponent	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Adipovl chloric	le	203-876-4	-		Х	Х	-	X	Х	Х	Х	-

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2-3

R14 - Reacts violently with water

R29 - Contact with water liberates toxic gas

R34 - Causes burns

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed



Adipoyl chloride Revision Date 15-Mar-2010

16. OTHER INFORMATION

Prepared By Regulatory Affairs

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Revision Summary "***", and red text indicates revision

Restrictions on useNo information available.

Training advice No information available.

Literary reference No information available.

Disclaimer

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End of Safety Data Sheet