

MATERIAL SAFETY DATA SHEET
Formamide

Section 1 - Chemical Product and Company Identification

MSDS Name: Formamide

Catalog Numbers: 18109-0000, 18109-0010, 18109-0025, 18109-0250, 20582-0000, 20582-0010, 20582-0025, 20582-1000, 32723-0000, 32723-5000, 41075-0000, 41075-1000, 41076-0000, 41076-5000, 42374-0000, 42374-0010, 42374-1000, 42374-5000

Synonyms:

Company Identification:

Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium

Company Identification: (USA)

Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

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

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
75-12-7	Formamide	>99%	200-842-0

Hazard Symbols: T



Risk Phrases: 61

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

May cause harm to the unborn child.

Potential Health Effects

Eye: May cause eye irritation. Causes redness and pain.

Skin: May cause skin irritation. Causes redness and pain. May be harmful if absorbed through the skin. Substance is readily absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled. May cause nausea, dizziness, and headache.

Chronic: Chronic exposure may cause liver damage.

Section 4 - First Aid Measures

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

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

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

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

Notes to Physician: Treat symptomatically and supportively.

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. Combustion by-products include oxides of nitrogen and hydrogen cyanide.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical 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: Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

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

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

CAS# 75-12-7:

United Kingdom, WEL - TWA: 20 ppm TWA; 37 mg/m³ TWA United Kingdom, WEL - STEL: 30 ppm STEL; 56 mg/m³ STEL

Belgium - TWA: 10 ppm VLE; 18 mg/m³ VLE

France - VME: 20 ppm VME; 30 mg/m³ VME

Germany: 18 mg/m³ TWA Germany: skin notation

Malaysia: 10 ppm TWA; 18 mg/m³ TWA

Netherlands: 9 ppm MAC; 16 mg/m³ MAC

Spain: 10 ppm VLA-ED; 19 mg/m³ VLA-ED

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: 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.

Section 9 - Physical and Chemical Properties

Physical State:	Clear liquid
Color:	clear colorless to pale yellow
Odor:	odorless
pH:	4-5 (200 g/L aq. solution)
Vapor Pressure:	Not available
Viscosity:	Not available
Boiling Point:	210 deg C @760mmHg (410.00°F)
Freezing/Melting Point:	2 - 3 deg C
Autoignition Temperature:	> 500 deg C (> 932.00 deg F)
Flash Point:	175 deg C (347.00 deg F)
Explosion Limits: Lower:	2.7 vol %
Explosion Limits: Upper:	19.0 vol %
Decomposition Temperature:	
Solubility in water:	Miscible
Specific Gravity/Density:	1.133
Molecular Formula:	CH3NO
Molecular Weight:	45.04

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials, ignition sources, moisture, excess heat.
Incompatibilities with Other Materials	Strong oxidizing agents, acids, bases.
Hazardous Decomposition Products	Hydrogen cyanide, nitrogen oxides, carbon monoxide, carbon dioxide, ammonia and/or derivatives.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 75-12-7: LQ0525000
LD50/LC50:	RTECS: CAS# 75-12-7: Draize test, rabbit, eye: 100 mg Severe; Inhalation, rat: LC50 = >3900 ppm/6H; Oral, mouse: LD50 = 3150 mg/kg; Oral, rat: LD50 = 5577 mg/kg; Skin, rabbit: LD50 = 17 gm/kg; . Other: Inhalation, rat: LC50 = >7.3 mg/l/6h
Carcinogenicity:	Formamide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information. Experimental teratogen. Mutagenicity: Ames-test: negative.

Section 12 - Ecological Information

Ecotoxicity:	Daphnia: EC/LC50 = > 500 mg/l; 48 H; acut Algae: EC/LC50 = > 500 mg/l; 96 H; Bacteria: EC/LC50 = > 10000 mg/l; 17 H;
Other:	Do not empty into drains. Avoid entering into waters or underground water.

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not regulated as a hazardous material	Not regulated as a hazardous material	Not regulated as a hazardous material
Hazard Class:			
UN Number:			
Packing Group:			

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 61 May cause harm to the unborn child.

Safety Phrases:

S 53 Avoid exposure - obtain special instructions before use.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 75-12-7: 1

Canada

CAS# 75-12-7 is listed on Canada's DSL List

US Federal

TSCA

CAS# 75-12-7 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/16/1996

Revision #2 Date 1/20/2005

Revisions were made in Sections: General revision.

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