

Material Safety Data Sheet



FORMAMIDE

VERSION : 03

DATE OF ISSUE : 31-01-2022

SUPERSEDES : 02

Product Code : 14565

Page 1 of 7

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : FORMAMIDE
Product code : 14565
Identification of the product : FORMAMIDE
CAS No : 75-12-7

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3. Details of the supplier of the safety data sheet

Company identification : MOLYCHEM
Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor,
Mumbai – 400 002 (INDIA)
Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.
Email : info@molychem.net
Works: Plot No. B/9, Badlapur M.I.D.C., OPP. Shobhavat
Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

1.4. Emergency telephone number

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

2. Hazards identification –DSD

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Carcinogenicity (Category 2), H351
Reproductive toxicity (Category 1B), H360D
Specific target organ toxicity - repeated exposure, Oral (Category 2), Blood, H373

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008

Signal Word Danger

Hazard statement(s)

H351 Suspected of causing cancer.

H360D May damage the unborn child.

H373 May cause damage to organs (Blood) through prolonged or repeated exposure if swallowed.

Precautionary statement(s)

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe mist or vapors.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.


Supplemental Hazard Statements

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Material Safety Data Sheet	
FORMAMIDE	VERSION : 03 DATE OF ISSUE : 31-01-2022 SUPERSEDES : 02
Product Code : 14565	Page 2 of 7

2.3. Other hazards : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3.Composition/information on ingredients

3.1 Substances

Synonyms : FORMAMIDE
 Formula : CH₃NO
 Molecular weight : 45.04 g/mol
 CAS-No. : 75-12-7

4. First aid measures

4.1. Description of first aid measures

If inhaled

After inhalation: fresh air.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3. Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture

Carbon oxides

Nitrogen oxides (NO_x)


Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3. Advice for fire-fighters

Material Safety Data Sheet	
FORMAMIDE	VERSION : 03 DATE OF ISSUE : 31-01-2022 SUPERSEDES : 02
Product Code : 14565	Page 3 of 7

Stay in danger area only with self-contained breathing apparatus.

Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact.

Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2. Environmental precautions

Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly.

Clean up affected area.

6.4. Reference to other sections

For disposal see section 13.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

Storage class

Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.

Respiratory protection : Wear approved mask.

Material Safety Data Sheet



FORMAMIDE

VERSION : 03

DATE OF ISSUE : 31-01-2022

SUPERSEDES : 02

Product Code : 14565

Page 4 of 7

Hand protection : Wear protective gloves.
Skin protection : Wear suitable protective clothing.
Eye protection : Chemical goggles or safety glasses.
Others : When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits : No data available.


9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	viscous liquid
Color	colorless
Odor	odorless
Melting point/freezing point	Melting point/range: 2 - 3 °C - lit.
Initial boiling point and boiling range	210 °C - lit.
Flammability (solid, gas)	The product is not flammable.
Upper/lower flammability or explosive limits	Upper explosion limit: 19 %(V) Lower explosion limit: 2,7 %(V)
Flash point	152 °C
Autoignition temperature	> 500 °C
Decomposition temperature	> 180 °C
pH	4 - 10 at 200 g/l at 20 °C
Viscosity	Viscosity, kinematic : No data available Viscosity, dynamic: 3,76 mPa.s at 20 °C
Water solubility	log Pow: -0,82 at 25 °C - Bioaccumulation is not expected.
Partition coefficient: n-octanol/water	No data available
Vapor pressure	0.08 hPa at 20 °C
Density	1.134 g/cm ³ at 25 °C - lit.
Relative density	No data available
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	None

9.2. Other information

No data available

Material Safety Data Sheet	
FORMAMIDE	VERSION : 03 DATE OF ISSUE : 31-01-2022 SUPERSEDES : 02
Product Code : 14565	Page 5 of 7

10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Direct sunlight. Overheating. Open flame. Heat. Sparks

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

In the event of fire: see section 5

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: No data available
Serious eye damage/irritation	: No data available.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: No data available
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

12. Ecological information

12.1. Toxicity

No additional information available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Material Safety Data Sheet



FORMAMIDE

VERSION : 03
DATE OF ISSUE : 31-01-2022
SUPERSEDES : 02

Product Code : 14565

Page 6 of 7

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

No data available

14. Transport information

14.1. UN number

ADR/RID: -

IMDG :

IATA:

14.2. UN proper shipping name

ADR/RID :

Not dangerous goods

IMDG:

Not dangerous goods

IATA:

Not dangerous goods

14.3. Transport hazard class(es)

ADR/RID :

IMDG :

IATA :

14.4. Packaging group

ADR/RID :

IMDG :

IATA :

14.5 Environmental hazards

ADR/RID : no

IMDG : Marine pollutant: no

IATA : no

14.6 Special precautions for user

Further information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2. Chemical Safety Assessment

For this product a chemical safety assessment was not carried out


16. Other information

Abbreviations and acronyms :

PBT : persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and

Material Safety Data Sheet	
FORMAMIDE	VERSION : 03 DATE OF ISSUE : 31-01-2022 SUPERSEDES : 02
Product Code : 14565	Page 7 of 7

mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008
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