

UnaveraChemLab GmbH

1.

1.1

1.2

1.3

1.4

2.

2.1

2.2

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

Version 5.0 Revision Date 29.08.2012

Print Date 23.01.2015 GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING **Product identifiers** Product name 2,4-Dichloro-5-fluoropyrimidine Product Number 1015 UnaveraChemLab GmbH Brand CAS-No. 2927-71-1 • Relevant identified uses of the substance or mixture and uses advised against Identified uses : Laboratory chemicals, Manufacture of substances Details of the supplier of the safety data sheet Company • UnaveraChemLab GmbH Am Ländbach 20 D-82481 Mittenwald +49 8823 1351 Telephone Fax +49 8823 3449 E-mail address info@unavera.de **Emergency telephone number** Emergency Phone # : +49 8823 1351 HAZARDS IDENTIFICATION Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP] Acute toxicity, Oral (Category 4) Skin corrosion (Category 1B) Classification according to EU Directives 67/548/EEC or 1999/45/EC Harmful if swallowed. Causes burns. Label elements Labelling according Regulation (EC) No 1272/2008 [CLP] Pictogram Signal word Danger Hazard statement(s) H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. Precautionary statement(s) P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/ physician. Supplemental Hazard none Statements

According to European Directive 67/548/EEC as amended.

_

Hazard	symbo	l(s)
--------	-------	------

R-phrase(s) R22 R34	Harmful if swallowed. Causes burns.
S-phrase(s) S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 S45	Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3 Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Formula	:	C ₄ HCl ₂ FN ₂
Molecular Weight	:	166,97 g/mol

ComponentConcentration2,4-Dichloro-5-fluoropyrimidine-CAS-No.2927-71-1--

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Inhalation may provoke the following symptoms:, spasm, inflammation and edema of the bronchi, spasm, inflammation and edema of the larynx, pneumonitis, pulmonary edema, Symptoms and signs of poisoning are:, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Contact with eyes can cause:, Lachrymation

4.3 Indication of any immediate medical attention and special treatment needed no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas, Hydrogen fluoride

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information no data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Moisture sensitive.

7.3 Specific end uses no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

UnaveraChemLab GmbH - 1015

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: solid	
b)	Odour	no data available	
c)	Odour Threshold	no data available	
d)	рН	no data available	
e)	Melting point/freezing point	Melting point/range: 37 - 41 °C - lit.	
f)	Initial boiling point and boiling range	no data available	
g)	Flash point	106 °C - closed cup	
h)	Evaporation rate	no data available	
i)	Flammability (solid, gas)	no data available	
j)	Upper/lower flammability or explosive limits	no data available	
k)	Vapour pressure	no data available	
I)	Vapour density	no data available	
m)	Relative density	no data available	
n)	Water solubility	no data available	
0)	Partition coefficient: n- octanol/water	log Pow: 1,746	
p)	Autoignition temperature	no data available	
q)	Decomposition temperature	no data available	
r)	Viscosity	no data available	
s)	Explosive properties	no data available	
t)	Oxidizing properties	no data available	
Other safety information no data available			

10. STABILITY AND REACTIVITY

10.1 Reactivity no data available

9.2

- 10.2 Chemical stability no data available
- **10.3** Possibility of hazardous reactions no data available
- **10.4 Conditions to avoid** no data available

UnaveraChemLab GmbH - 1015

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation no data available

Respiratory or skin sensitization no data available

_

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure no data available

Specific target organ toxicity - repeated exposure no data available

Aspiration hazard

no data available

Potential health effects

InhalationMay be harmful if inhaled. Material is extremely destructive to the tissue of
the mucous membranes and upper respiratory tract.IngestionHarmful if swallowed. Causes burns.SkinMay be harmful if absorbed through skin. Causes skin burns.EyesCauses eye burns.

Signs and Symptoms of Exposure

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Inhalation may provoke the following symptoms:, spasm, inflammation and edema of the bronchi, spasm, inflammation and edema of the larynx, pneumonitis, pulmonary edema, Symptoms and signs of poisoning are:, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Contact with eyes can cause:, Lachrymation

Additional Information RTECS: Not available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

- 12.2 Persistence and degradability no data available
- **12.3 Bioaccumulative potential** no data available

UnaveraChemLab GmbH - 1015

12.4	Mobility in soil no data available					
12.5	Results of PBT and vPvB assessment no data available					
12.6	Other adverse effects no data available					
13.	DISPOSAL	CONSIDERATIONS				
13.1	Waste treatment methods					
	Product Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.					
		ited packaging as unused product.				
14.	TRANSPO	RT INFORMATION				
14.1	UN numbe ADR/RID: 3	=	IMDG: 3261	IATA: 3261		
14.2	UN proper shipping nameADR/RID:CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (2,4-Dichloro-5-fluoropyrimidine)IMDG:CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (2,4-Dichloro-5-fluoropyrimidine)IATA:Corrosive solid, acidic, organic, n.o.s. (2,4-Dichloro-5-fluoropyrimidine)					
14.3	Transport ADR/RID: 8	hazard class(es)	IMDG: 8	IATA: 8		
14.4	Packaging ADR/RID: I		IMDG: III	IATA: III		
14.5	Environme ADR/RID: r	ental hazards	IMDG Marine pollutant: no	IATA: no		
14.6	Special precautions for user no data available					
15.	REGULAT	ORY INFORMATION		-		
	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.					

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture no data available

15.2 Chemical Safety Assessment

no data available

16. OTHER INFORMATION

-

Further information

Copyright 2012 UnaveraChemLab GmbH. License granted to make unlimited paper copies for internal use only.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. UnaveraChemLab GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See www.unavera.de.