

**SAFETY DATA SHEET**

According to EC 1907/2006 (REACH)

1. Identification of the substance/preparation

MSDS : 00102
Product code 12nc : 1322 507 13201
Supplier : BASF NEDERLAND B.V.

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Tradename : DIMETHYL ACETAMIDE, N,N-
Chemical name : DIMETHYL ACETAMIDE, N,N-
EC-number : 204-826-4
Formula : (CH₃)₂NCOCH₃
Molecular weight : 87.14
Use : Various
Date last update : 2006-12-20
Publicationdate : 2001-10-25
General information : dangerous.goods@philips.com
Emergency phonenumber : +31 (0)497-598315

2. Hazard identification**R-phrases**

- May cause harm to the unborn child.
- Also harmful by inhalation and in contact with skin.

3. Composition/information on ingredients

Component	CAS-no	EC-no	Catalogue-no	Percentage(%)	EC-label
DIMETHYL ACETAMIDE, N,N-	127-19-5	204-826-4	616-011-00-4	100.0	T;R: 61 20/21 Repr.Cat. 2

4. First-aid measures

Skin : Remove contaminated clothes as soon as possible. Remove residue substance as soon as possible (e.g. rinse with plenty of water). In case of a serious exposure call for a doctor.

Ingestion : If victim is conscious let him drink 1 or 2 glasses of water. In case of general disorders bring victim into the hospital, otherwise call for a doctor.

Inhalation : Bring victim into the fresh air as soon as possible and let rest. In case of severe exposure call for a doctor. In case of breathing problems, loose squeezing clothes and if victim is conscious bring victim in high sitting position. In case of stagnation of breathing give IMMEDIATELY oxygen and transport to hospital as soon as possible.

Eyes : Rinse for a long time with plenty of water. In case of eye-sight disturbances consult a doctor.

Remarks first aid : none

5. Fire fighting measures

Fire-extinguisher : carbon dioxide, extinguishing powder, water spray, alcohol resistant foam

Unsuitable fire-extinguisher : not traceable

Special fire-fighting equipment : In the event of fire, wear protective clothing and use breathing apparatus that is independent of the ambient air.

Hazardous decomposition products in fire : nitrous oxides, carbon monoxide

6. Accidental release measures

Spillage procedure : Absorb the liquid in appropriate absorbent (e.g. Powersorb, dry sand, diatomite, vermiculite etc.), shovel the mixture into plastic bags and remove to the central depot for hazardous waste.
Emergency procedure : not applicable

7. Handling and storage

Local exhausting : Apply local exhaust.
Storage conditions : Store product away from ignition sources, in a closed packaging, cool, dry, in a well ventilated area.
Storage code (on behalf of PGS 15) : CMR substance

8. Exposure controls/personal protection

Exposure limits :

applicable to: The Netherlands (20 °C; 1013 mbar)

TWA(8 hours): 36 mg/m3 S DIMETHYL ACETAMIDE, N,N- (Statutory threshold limit value)
TWA(15 minutes): 72 mg/m3 S DIMETHYL ACETAMIDE, N,N- (Statutory threshold limit value)

applicable to: Belgium (20 °C; 1013 mbar)

TWA(8 hours): 36 mg/m3 S DIMETHYL ACETAMIDE, N,N-
TWA(15 minutes): 72 mg/m3 S DIMETHYL ACETAMIDE, N,N-

applicable to: Germany (20 °C; 1013 mbar)

TWA(8 hours): 36 mg/m3 S DIMETHYL ACETAMIDE, N,N-

applicable to: United States of America (25 °C; 1013 mbar)

TWA(8 hours): 36 mg/m3 S DIMETHYL ACETAMIDE, N,N-

applicable to: Sweden (20 °C; 1013 mbar)

TWA(8 hours): 35 mg/m3 S DIMETHYL ACETAMIDE, N,N-
TWA(15 minutes): 70 mg/m3 S DIMETHYL ACETAMIDE, N,N-

applicable to: Switzerland (20 °C; 1013 mbar)

TWA(8 hours): 35 mg/m3 S DIMETHYL ACETAMIDE, N,N-
TWA(15 minutes): 70 mg/m3 S DIMETHYL ACETAMIDE, N,N-

applicable to: China (20 °C; 1013 mbar)

TWA(8 hours): 20 mg/m3 S DIMETHYL ACETAMIDE, N,N-

C=Ceiling; S=Skin

Remarks exposure limits :

Avoid exposure - obtain special instructions before use.

Odour threshold (20°C; 1013 mbar) :

≥76.02 - ≤170.1 mg/m3 DIMETHYL ACETAMIDE, N,N-

DNEL (Derived No Effect Level)

not traceable

PNEC (Predicted No Effect Concentration)

not traceable

Advised personal protection :

Hands : butyl rubber gloves
Eyes : safety goggles
Inhalation : none (when sufficient exhausting)
Gasmask filtertype A (when insufficient exhausting)
Skin : none (when used normally)

9. Physical and chemical properties

Physical state : liquid
Colour : colourless
Odour : amine-like
Vapor rate/range : not traceable
Boiling point/range : 165 °C (1013 mbar)
Melting point/range : -20 °C
Apparent melting point : not applicable
Flash point/range : 70 °C
Explosive limits : LEL:≥1.7 vol.% - UEL:≤11.5 vol.%

Dust explosions possible in air	: not applicable
Relative density	: 0.94000 (water=1) (20 °C)
Vapour pressure	: 0.2 kPa (20 °C)
Solubility in water	: partial
Solubility in fat	: not traceable
pH	: 4 (200 g/l)
Viscosity	: not traceable
Critical temperature	: not applicable
Autoignition temperature	: 390 °C
Decomposition temperature	: not traceable
Electrostatic charge	: yes

10. Stability and reactivity

Conditions to avoid	: none
Reactions with water	: no
Hazardous reactions with	: halogen hydrocarbons, oxidizing substances
Hazardous decomposition products at heating	: none

11. Toxicological information

Symptoms

Skin	* local	: The substance is prickling: redness.
	* general	: Degreasing: in case of sustained contact a rough, dry skin, eczema.
Ingestion	* local	: The substance may be absorbed via the skin.
	* general	: The substance is prickling: sore throat.
Inhalation	* local	: The substance may be absorbed after ingestion.
	* general	: The substance is with atomising prickling: sore throat.
Eyes	* local	: The substance may be absorbed after inhalation.
* Remarks symptoms		: The substance is prickling: redness.
		: The substance has an effect on: the liver, the kidneys, the nervous system, the heart, the lungs, the unborn child.

Toxicity :

LD-50: 2.24 g/kg (SKN-RBT), DIMETHYL ACETAMIDE, N,N-

LD-50: 5 g/kg (ORL-RAT), DIMETHYL ACETAMIDE, N,N-

Ames test : not traceable

12. Ecotoxicological information

Biological oxygen demand (5)	: 0.90 g/g DIMETHYL ACETAMIDE, N,N-
Chemical oxygen demand	: 1.84 g/g DIMETHYL ACETAMIDE, N,N-
Biological/chemical oxygen demand ratio	: not traceable
Degradability	: not traceable
Biochemical factor	: not traceable
Log Po/w	: 0.8 DIMETHYL ACETAMIDE, N,N-
Henry Constant	: not traceable

Ecotoxicity :

LC-50: >500 mg/l/96H (Fish), DIMETHYL ACETAMIDE, N,N-

EC-50: >500 mg/l/48H (Daphnia), DIMETHYL ACETAMIDE, N,N-

IC-50: >500 mg/l/72H (Algae), DIMETHYL ACETAMIDE, N,N-

Remarks on ecotoxicity : none

13. Disposal considerations

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation.

14. Transport information

Not subject to Transport-regulation Dangerous Substances

15. Regulatory information

Hazard symbol

T

(TOXIC)

R-phrases

61	May cause harm to the unborn child.
20/21	Also harmful by inhalation and in contact with skin.
S-phrases	
53	Avoid exposure - obtain special instructions before use.
45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Hazardous component(s)	: DIMETHYL ACETAMIDE, N,N-
Remarks on EC-labeling	: The supplier may give a different EC-label (Userlabel).

16. Other information

Remarks on MSDS : In the Netherlands this product has a registration obligation as reproduction toxic substance. The component(s), as mentioned in section 3, is (are) registered in the Toxic Substances Control Act Inventory (USA).

Overview relevant R-sentences from all components in section 3 :

20/21	Also harmful by inhalation and in contact with skin.
61	May cause harm to the unborn child.

* Point to alterations with regard to the previous version.

The information provided in this Material Safety Data Sheet is correct to the best of the knowledge, information and belief of Philips Electronics Nederland B.V. at the date of its printing.