

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

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

eyes, on skin, or on clothing. Do not breathe vapors or spray mist. Keep away from open

flames, hot surfaces and sources of ignition. Use only non-sparking tools. Use explosion-proof equipment. Take precautionary measures against static discharges.

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

and sources of ignition.

8. Exposure controls / personal protection

Exposure Guidelines

Dimethylformamide TWA: 10 ppm (Va Skin (Var

(Vacated) TWA: 10 ppm (Vacated) TWA: 30 mg/m³ Skin TWA: 10 ppm

OSHA - Occupational Safety and Health Administration

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.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical StateLiquidAppearanceColorlessOdorrotten-egg like

Odor Threshold
PH
Odor Thresho

Evaporation Rate 0.17

Flammability (solid,gas)

Not applicable

Flammability or explosive limits

 Upper
 15.2 vol %

 Lower
 2.2 vol %

 Vapor Pressure
 4.9 mbar @ 20 °C

Vapor Density 2.5

Relative Density 0.945
Solubility Soluble in water

Partition coefficient; n-octanol/water

Autoignition Temperature

No data available

445 °C / 833 °F

Decomposition Temperature > 350°C

Viscosity 0.8 mPa.s at 20 °C Molecular Formula C3 H7 N O

Molecular FormulaC3 H7 NMolecular Weight73.09

Surface tension 36.42 mN/m (25 °C)

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under normal conditions.

Conditions to Avoid Incompatible products. Heat, flames and sparks. Keep away from open flames, hot

surfaces and sources of ignition.

Incompatible Materials Strong oxidizing agents, Halogens, Halogenated compounds, Reducing agents,

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx)

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information

LC50 Inhalation (DUST) VALUE 9400 mg/m³/24 (mouse

Teratogenicity Teratogenic effects have occurred in experimental animals.

Respiratory system Central nervous system (CNS) Kidney Liver spleen Blood STOT - single exposure STOT - repeated exposure

No information available **Aspiration hazard**

Symptoms / effects,both acute and delayed

N,N-Dimethylformamide 3 III **Proper Shipping Name Hazard Class**

Packing Group

15. Regulatory information

International Inventories

Component

U.S. Department of Transportation

Reportable Quantity (RQ): Y
DOT Marine Pollutant N
DOT Severe Marine Pollutant N