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## MATERIAL SAFETY DATA SHEET

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### 1. CHEMICAL IDENTIFICATION

Chemical Name: **DMF, Dimethylformamide**  
Catalog Number: S 4001  
Molecular Formula:  $\text{HCON}(\text{CH}_3)_2$

### 2. COMPOSITION/INGREDIENTS

CAS Number: Custom synthesized compound. No CAS Number.  
Components:

### 3. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid  
Percent Purity: 99.8%  
Boiling Point: 153 C  
Melting Point: -61 C  
Vapor Density: 2.5  
Vapor Pressure: 2.6 mm Hg at 20 C  
Specific Gravity: 0.95  
Flash Point: 58 C  
Explosion limits: 2.2%- 15.2%  
Autoignition Temperature: 445C

### 4. REACTIVITY

Stability: stable

### 5. EXPOSURE CONTROLS/EMPLOYEE PROTECTION

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, and other protective clothing. Safety shower and eye bath required. Mechanical exhaust required. Wash thoroughly after handling.

### 6. HAZARDS IDENTIFICATION

Precautionary Statement: May act as a carcinogen, exposure may result in fetal death. Long term exposure may result in kidney or liver damage  
Primary Routes of Entry: Harmful by inhalation, ingestion of skin contact  
PEL: NA  
TLV: NA  
LD50: NA  
Carcinogenicity: NA  
Toxicity: NA

RTECS #: NA  
Acute Effects: NA  
Chronic Effects: NA  
Target Organs: NA

**7. FIRST AID MEASURES**

Eyes: Immediately flush eyes with copious amounts of water for at least 15 minutes  
Skin: Immediately wash skin with soap and copious amounts of water  
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen  
Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.  
Other: Wash contaminated clothing before re-use

**8. FIRE FIGHTING MEASURES**

Upper Flammable Limit: NA  
Lower Flammable Limit: NA  
Upper Explosion Limit: NA  
Lower Explosion Limit: NA  
Flashpoint: NA  
Auto ignition Temperature: NA  
Fire Extinguishing Media: NA  
Unusual Fire/Explosion Data: NA

**9. ACCIDENTAL RELEASE**

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Sweep up, place in a bag, and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

**10. HANDLING AND STORAGE**

Store desiccated at or below room temperature.

**11. WASTE DISPOSAL**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

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Solulink, Inc. believes the above information to be accurate, but not necessarily all inclusive, and thus should only be used as a guide in the handling and use of this material. The data in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Solulink, Inc. shall not take responsibility for any damage resulting from handling or from contact with the above product. The information in this material safety data sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder 29 CFR § 1910.1200.