## 2 - Hazards Identification

ProductName

### SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT Harmful by inhalation, in contact with skin and if swallowed.

Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitization by skin contact. Carc. Cat.3

# 3 - Composition/Information on Ingredients

**Product Name** CAS# EC no Annex I FORMALDEHYDE-D2, \*ATOM % D, CA. 1664-98-8 216-775-5 None 20% SOLUTION IN DEUTERIUM OXIDE CAS# Ingredient Name Percent EC no Annex I WATER 7732-18-5 231-791-2 80 None 4 - First Aid Measures

# AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

## AFTER SKIN CONTACT In case of skin contact, flush with copious amounts of water for

at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. AFTER EYE CONTACT

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

## AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5 - Fire Fighting Measures

### Suitable: Carbon dioxide, dry chemical powder, or appropriate foam. Water spray.

**EXTINGUISHING MEDIA** 

SPECIAL RISKS Specific Hazard(s): Emits toxic fumes under fire conditions.

Wear self-contained breathing apparatus and protective clothing

# SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

to prevent contact with skin and eyes. 6 - Accidental Release Measures

# Evacuate area. PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. METHODS FOR CLEANING UP

Value

Value

Value

Method: closed cup

0.6 mg/m0.5 ppm

0.4 mg/m

0.3 ppm

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL

# pickup is complete.

7 - Handling and Storage **HANDLING** Directions for Safe Handling: Avoid prolonged or repeated

exposure. Do not breathe vapor. Avoid contact with eyes, skin,

Absorb on sand or vermiculite and place in closed containers for

disposal. Ventilate area and wash spill site after material

## and clothing. **STORAGE**

# Conditions of Storage: Keep tightly closed.

8 - Exposure Controls / Personal Protection **ENGINEERING CONTROLS** 

Safety shower and eye bath. Mechanical exhaust required.

## GENERAL HYGIENE MEASURES Wash thoroughly after handling.

Source Type **OEL** TWA

# Remarks: LK **EXPOSURE LIMITS - GERMANY**

**EXPOSURE LIMITS - DENMARK** 

Source Type Value **TRGS 900** OEL 0.6 mg/m0.5 ppm Remarks: =1=

Remarks: Y,H **EXPOSURE LIMITS - SWITZERLAND** 

Remarks: S C

# **EXPOSURE LIMITS - UNITED KINGDOM**

Source Type OEL OEL

Source Type

OEL OEL 2.5 mg/m2 ppm 2.5 mg/m**OEL STEL** 2 ppm

or CEN (EU). Where risk assessment shows air-purifying respirators

combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole

are appropriate use a full-face respirator with multi-purpose

means of protection, use a full-face supplied air respirator.

### PERSONAL PROTECTIVE EQUIPMENT Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US)

BP/BP Range

MP/MP Range

Oxidizing Properties

**Explosive Properties** 

**Explosion Limits** 

Vapor Pressure

Hand Protection: Compatible chemical-resistant gloves. Eye Protection: Chemical safety goggles. 9 - Physical and Chemical Properties Physical State: Clear liquid Appearance Color: Colorless At Temperature or Pressure **Property** Value

N/A

N/A

N/A

N/A

N/A

N/A

N/A

### Flash Point $> 112.8 \, ^{\circ}\text{C}$ Flammability N/A Autoignition Temp N/A

Partition Coefficient N/AViscosity N/AVapor Density N/ASaturated Vapor Conc. N/AEvaporation Rate N/A Bulk Density N/A Decomposition Temp. N/A Solvent Content N/A Water Content N/ASurface Tension N/A Conductivity N/A Miscellaneous Data N/ASolubility N/A10 - Stability and Reactivity **STABILITY** Stable: Stable. Materials to Avoid: Incompatible with: aniline, phenol, isocyanates, anhydrides, Strong acids, Strong bases, Strong oxidizing agents, Amines, Peroxides. HAZARDOUS DECOMPOSITION PRODUCTS Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide. **HAZARDOUS POLYMERIZATION** Hazardous Polymerization: Will not occur 11 - Toxicological Information **SENSITIZATION** 

## toxicological properties have not been thoroughly investigated. ROUTE OF EXPOSURE Skin Contact: Causes skin irritation.

IARC CARCINOGEN LIST Rating: Group 1 Group 1

Result: This is or contains a component that has been reported to be carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

respiratory tract. Harmful if inhaled. Ingestion: Harmful if swallowed.

CHRONIC EXPOSURE - CARCINOGEN

CHRONIC EXPOSURE - MUTAGEN Result: May alter genetic material.

tests with laboratory animals.

12 - Ecological Information

13 - Disposal Considerations

No data available.

SIGNS AND SYMPTOMS OF EXPOSURE

CHRONIC EXPOSURE - TERATOGEN Result: Laboratory experiments have shown teratogenic effects. CHRONIC EXPOSURE - REPRODUCTIVE HAZARD

Result: Overexposure may cause reproductive disorder(s) based on

Sensitization: May cause allergic respiratory and skin reactions

Inhalation: Material is irritating to mucous membranes and upper

To the best of our knowledge, the chemical, physical, and

Skin Absorption: Harmful if absorbed through skin. Eye Contact: Causes eye irritation. Lachrymator.

SUBSTANCE DISPOSAL 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. Observe all federal, state, and local

## 14 - Transport Information RID/ADR Non-hazardous for road transport.

**IATA** 

UN#: 3334 Class: 9

environmental regulations.

**IMDG** Non-hazardous for sea transport.

Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitization by

water and seek medical advice. Wear suitable protective clothing and gloves. Use only in well ventilated areas.

COUNTRY SPECIFIC INFORMATION Germany WGK: No hazard to waters.

16 - Other Information

www.lookchem.com

Self-Classification

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES ANNEX I INDEX NUMBER: 605-001-00-5 NOTA: B,D INDICATION OF DANGER: Xn Harmful. R-PHRASES: 20/21/22-36/37/38-40-43 Harmful by inhalation, in contact with skin and if swallowed.

Proper Shipping Name: Aviation Regulated Liquid, N.O.S Inhalation Packing Group I: No Technical Name: Required 15 - Regulatory Information

skin contact. S-PHRASES: 26-36/37-51 In case of contact with eyes, rinse immediately with plenty of

> For R&D use only. Not for drug, household or other uses. **WARRANTY**:

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. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.