

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-924/924-42-5.html> for suppliers of this product.

## Composition/Information on Ingredient

### Cas:

924-42-5

### Code:

M

### RTECS:

AS3600000

### Code:

F

### Name:

N-METHYLOLACRYLAMIDE (MAY CONTAIN ONE OR MORE OF

### Other REC Limits:

N/K (FP N)

### OSHA PEL:

N/K (FP N)

### Code:

M

### OSHA STEL:

N/K (FP N)

### Code:

M

### ACGIH TLV:

N/K (FP N)

### Code:

M

### ACGIH STEL:

N/K (FP N)

### Code:

M

## Control Measures

### Respiratory Protection:

USE EXHAUST VENTILATION OR WEAR RESPIRATORS WHICH ARE APPROVED BY NIOSH, EC CEN, OR OTHER COMPARABLE CERTIFICATION ORGANIZATIONS.

### Ventilation:

USE EXHAUST VENTILATION.

### Protective Gloves:

CHEMICAL-RESISTANT GLOVES SHOULD BE WORN.

### Eye Protection:

ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N). 11

### Other Protective Equipment:

Equipment NOT REQUIRED. LAB COAT OR EQUIVALENT RECOMMENDED. ANSI APPROVED EMERGENCY EYEWASH AND DELUGE SHOWER (FP N).

### Work Hygienic Practices:

AVOID ALL CONTACT. CAREFUL PERSONAL HYGIENE IS A NECESSITY.

### Supplemental Safety and Health:

FIRST AID PROC: TREATMENT IS CONTROLLED REMOVAL OF EXPOS W/SYMPOMATIC & SUPPORTIVE CARE.

PHYSICAL/CHEM PROPERTIES: FOR LIQ COMPONENTS: BP: ABOUT 100C/212F; MP: N/A; VP/VAP DENS/SPEC GRAV: N/K; PH: N/A; EVAP RATE: AS WATER; SOL IN WATER: AQUEOUS SOLN; % VOLATLS: 50-95% WATER; MOLECULAR WT: N/A; (OTHER INFO)

## Health Hazards Data

### LD50/LC50 Mixture:

SEE TOXICOLOGICAL INFORMATION.

### Route of Entry Inds - Inhalation:

YES

### Skin:

YES

### Ingestion:

YES

### Carcinogenicity Inds - NTP:

YES

### IARC:

YES

### OSHA:

YES

### Health Hazards Acute And Chronic:

POTENTIAL HLTH EFTS: CARCIN - ACRYLAMIDE IS A PROBABLE HUMAN CARCIN & A HUMAN NEUROTOXIN. ANOTHER MINOR COMPONENT HAS BEEN SHOWN TO CAUSE CANCER IN LAB ANIMALS & IS ALSO NEUROTOXIC. MAY BE IRRITATING TO EYES, SKIN & RESP TRACT.

EXPOS TO FORMALDEHYDE MAY PRDCE ALLERGIC RESP EFTS IN SENSITIZED INDIVIDUALS, INCL ASTHMA, COUGHING, WHEEZING, SHORTNESS OF BREATH. FORMALDEHYDE IS ALSO CONSIDERED A PROBAB LE HUMAN CARCIN. APS IS MODERATELY TOX BY INGEST &

MAY BE IRRITATING TO EYES, SKIN, THROAT &

### Explanation Of Carcinogenicity:

ACRYLAMIDE: IARC MONO, SUPP, VOL 7, PG 56, 1998: GRP 2B. NTP 8TH ANNUAL RPT ON CARCINS, 1998: REASONABLY ANTIC TO BE ANIMAL CARCIN. ANIMAL: CNS TOXIN, NEOPLASMS. FORMALDEHYDE: IARC MONO, SUPP, VOL 62, PG 217, 1995: GRP 2A. NTP 8TH ANNUAL RPT ON CARCINS, 1998: REASONABLY ANTIC TO BE ANIMAL CARCIN. OSHA REGULATED: CFR 29 1910.1048. ANIMAL: NASAL TUMORS.

### Signs And Symptoms Of Overexposure:

SEE HLTH HAZS. -SARA REGS: & ARE IRRITATING TO SKIN, EYES & RESP TRACT. FORMALDEHYDE CAUSES IRRIT TO EYES, NOSE, THROAT & RESP TRACT AT LOW CONCS (<1 PPM). DFLCLTY/DISCOMFORT OCCURS & PERSISTS, CONT MD. INGEST: DRINK 1-2 GLASSES OF WATER & INDUCE VOMIT BY TOUCHING BACK OF THROAT W/FINGER OR BY GIVING SYRUP OF IPECAC. NEVER INDUCE VOMIT/GI VE ANYTHING BY MOUTH TO AN UNCON PERS. CONT MD. NOTES TO MD: SINGEL MAY PRDCE EYE, SKIN & R

### Medical Cond Aggravated By Exposure:

N/P

### First Aid:

EYES: FLUSH W/WATER FOR AT LEAST 15 MINS. IF IRRIT OCCURS & PERSISTS, CONT MD. SKIN: REMOVE CONTAM CLTHG & SHOES, & THORO WASH W/SOAP & WATER. IF IRRIT OCCURS & PERSISTS, CONT MD. INHAL: REMOVE TO FRESH AIR. IF BRTHG DFLCLTY/DISCOMFORT OCCURS & PERSISTS, CONT MD. INGEST: DRINK 1-2 GLASSES OF WATER & INDUCE VOMIT BY TOUCHING BACK OF THROAT W/FINGER OR BY GIVING SYRUP OF IPECAC. NEVER INDUCE VOMIT/GI VE ANYTHING BY MOUTH TO AN UNCON PERS. CONT MD. NOTES TO MD: SINGEL MAY PRDCE EYE, SKIN & R

### Spill Release Procedures:

ABSORB ON ABSORBENT MATERIAL AND PLACE INTO CLOSED CONTAINERS FOR LATER DISPOSAL. FLUSH AREA WITH WATER. MATERIAL SUBLIMES; THEREFORE, CLEAN UP SPILLS BEFORE THEY DRY. FOR PERSONAL PRECAUTIONS SEE CON TROL MEASURES SECTION.

### Neutralizing Agent:

N/P

### Waste Disposal Methods:

DISPOSE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE/PROVINCIAL, AND FEDERAL/NATIONAL REGULATIONS.

### Handling And Storage Precautions:

STORE IN A COOL (UNDER OR EQUAL TO 25C) DRY AREA AWAY FROM COMBUSTIBLES. 10

### Other Precautions:

N/P

## Fire and Explosion Hazard Information

### Flash Point Method:

### Flash Point:

### Flash Point Text:

N/K

### Autoignition Temp:

N/A

### Lower Limits:

N/K

### Upper Limits:

N/K

### Extinguishing Media:

USE CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM, OR WATER SPRAY.

### Fire Fighting Procedures:

WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

ONE OF THE COMPONENTS CONTAINS A STRONG OXIDIZER. CONTACT WITH COMBUSTIBLE MATERIALS, FLAMMABLE MATERIALS, OR POWDERED METALS CAN CAUSE FIRE OR EXPLOSION. BURNING ACID, AMMONIA, NITROUS OXIDES, SULFUR OXIDES, AND SULFURIC ACID.

AMMONIA, NITROUS OXIDES, SULFUR OXIDES, AND SULFURIC ACID.

### Toxicological Information

Information: N/P

### MSDS Transport Information

Information: N/P

## Regulatory Information

### Sara Title III Information: N/P

### Federal Regulatory Information: N/P

### State Regulatory Information: N/P

### Other Information: N/P

## Reactivity Data

### Stability Indicator:

N/P

### Stability Condition To Avoid:

STAB CO

PWDERED COMPONENTS MAY DECOMPOSE ON EXPOSURE TO MOIST AIR OR WATER.

AVOID STRONG REDUCING AGENTS, ORGANIC MATERIALS, FINELY POWDERED METALS.

Hazardous Decomposition Products: UNDER FIRE IT CAN RELEASE TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE, AMMONIA, AND NITROGEN OXIDES.

Hazardous Polymerization Indicator: YES

Conditions To Avoid Polymerization: LIQ COMPONE CAN UNDERGO POLYM IF EXPOSED TO HEAT/ULTRAVIOLET LIGHT. IF POLYM OCCURS IN CLSD CONTR, SUFFICIENT

(OTHER INFO)

## Toxicological Information

Information: N/P

### MSDS Transport Information

Information: N/P

## Regulatory Information

### Sara Title III Information: N/P

### Federal Regulatory Information: N/P

### State Regulatory Information: N/P

### Other Information: N/P

## Other Information

### Other Information: N/P

## LookChem

Look for Chemicals

[www.lookchem.com](http://www.lookchem.com)

For R&D use only. Not for drug, household or other uses.

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

guaranteed to the product with regard to appropriate safety precautions. It does not represent any

terms and conditions of sale.

See reverse side of invoice or packing slip for additional

terms and conditions of sale.