

MATERIAL SAFETY DATA SHEET



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SECTION 1. - - - - - CHEMICAL IDENTIFICATION - - - - -

CATALOG#: IB72020, IB72024, & IB72028
NAME: FORMAMIDE
CAS#: 75-12-7

SECTION 2. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

IRRITANT

MAY CAUSE HARM TO THE UNBORN CHILD.

RISK OF SERIOUS DAMAGE TO EYES.

IRRITATING TO RESPIRATORY SYSTEM AND SKIN.

TARGET ORGAN(S):

EYES

CENTRAL NERVOUS SYSTEM (CNS)

LIVER

KIDNEY

READILY ABSORBED THROUGH SKIN.

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE

IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

DO NOT BREATHE VAPOR

HMS: NFPA:

H: 3 H: 3

F: 0 F: 1

R: 0 R: 0

PE: I SH: N/A

SECTION 3. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CHEMICAL NAME:	CAS#:	RTECS #:	EINECS#	%:
FORMAMIDE	75-12-7	LQ0525000	200-842-0	>99.0

FOR MORE INFORMATION SEE COMPLETE RTECS ENTRY.

MF: CH₃NO

EC NO: 200-842-0

SYNONYMS

AMID KYSELINY MRAVENCI (CZECH) * CARBAMALDEHYDE * FORMAMIDE (ACGIH) *
METHANAMIDE * METHANOIC ACID, AMIDE *

SECTION 4. - - - - - FIRST-AID MEASURES - - - - -

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.

ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.

CALL A PHYSICIAN.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

EVACUATE AREA.

ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE - - - - -

DO NOT BREATHE VAPOR.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

STORE AT +4°C.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.

SAFETY SHOWER AND EYE BATH.

CHEMICAL FUME HOOD RECOMMENDED.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE

COLORLESS LIQUID

PHYSICAL PROPERTIES

BOILING POINT: 210 TO 216°C

MELTING POINT: 1 TO 3°C

FLASHPOINT: 150°C (302°F)

AUTOIGNITION TEMPERATURE: 499°C (932°F)

VAPOR PRESSURE: 0.08MM @ 20°C 30MM @ 129°C
 SPECIFIC GRAVITY: 1.133G/ML
 VAPOR DENSITY: 1.55

SECTION 10. -----STABILITY AND REACTIVITY -----

STABILITY

STABLE.

CONDITIONS TO AVOID

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

ACIDS

BASES

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:

CARBON MONOXIDE, CARBON DIOXIDE

NITROGEN OXIDES

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR.

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

CAUSES SEVERE EYE IRRITATION.

CAUSES SKIN IRRITATION.

MATERIAL CAN CAUSE SEVERE BURNS AND BLISTERING WHICH MAY NOT BE IMMEDIATELY PAINFUL OR VISIBLE. THE FULL EXTENT OF TISSUE DAMAGE MAY NOT EXHIBIT ITSELF FOR 12-24 HOURS AFTER EXPOSURE.

EXPOSURE CAN CAUSE:

GASTROINTESTINAL DISTURBANCES

READILY ABSORBED THROUGH SKIN.

CHRONIC EFFECTS

MAY CAUSE CONGENITAL MALFORMATION IN THE FETUS.

TARGET ORGAN(S):

EYES

CENTRAL NERVOUS SYSTEM

LIVER

KIDNEYS

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: LQ0525000

FORMAMIDE

IRRITATION DATA

EYE-RBT 100 MG SEV

AJOPAA 29,1363,1946

TOXICITY DATA

ORL-RAT LD50:5577 MG/KG

TPKVAL 9,163,1967

IPR-RAT LD50:5700 MG/KG

TXAPA9 26,596,1973

SCU-RAT LD50:>4 GM/KG

APEPA2 257,296,1967

UNR-RAT LD50:3 GM/KG

EXPEAM 29,225,1973

ORL-MUS LD50:3150 MG/KG

TPKVAL 11,86,1969

IPR-MUS LD50:2450 MG/KG

AEPPAE 230,559,1957

IPR-GPG LD50:1250 MG/KG

TPKVAL 9,163,1967

ORL-MAM LD50:3150 MG/KG

GISAAA 39(4),86,1974

TARGET ORGAN DATA

AUTONOMIC NERVOUS SYSTEM (OTHER: PARASYMPATHOMIMETIC)
 BEHAVIORAL (SOMNOLENCE)
 BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)
 EFFECTS ON FERTILITY (POST-IMPLANTATION MORTALITY)
 EFFECTS ON EMBRYO OR FETUS (FETOTOXICITY)
 EFFECTS ON EMBRYO OR FETUS (FETAL DEATH)
 SPECIFIC DEVELOPMENTAL ABNORMALITIES (MUSCULOSKELETAL SYSTEM)
 ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
 (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
 COMPLETE INFORMATION.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

NOT REGULATED.

SECTION 15. ----- REGULATORY INFORMATION -----

EUROPEAN INFORMATION
 IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.



Irritant (Xi)

R: 36/37/38

MAY IMPAIR FERTILITY. MAY CAUSE HARM TO THE UNBORN CHILD.

R: 60/61

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

S: 36/37/39

SECTION 16. ----- OTHER INFORMATION -----

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