

MATERIAL SAFETY DATA SHEET

ALLANTOIN

SECTION 1 CHEMICAL PRODUCT / COMPANY IDENTIFICATION

MSDS NAME: ALLANTOIN

COMPANY IDENTIFICATION:

SHANGHAI OPENCHEM CO., LTD.

11/F TONGHUA TOWER NO.345 JINXIANG ROAD, JINQIAO EXPORT

PROCESSING ZONE, PUDONG SHANGHAI 201206

FOR INFORMATION: +86-21-5138 9450

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENT

CHEMICAL CHARACTERIZATION: 5-UREIDO HYDANTOIN

CAS-NO.: 97-59-6

EINECS-NO.: 202-295-8

SECTION 3 HAZARDS IDENTIFICATION

NO PARTICULAR HAZARDS KNOWN.

SECTION 4 FIRST-AID MEASURES

AFTER CONTACT WITH SKIN: AFTER CONTACT WITH SKIN WASH OFF
IMMEDIATELY PLENTLY OF WATER.

AFTER CONTACT WITH EYES: IN CASE OF CONTACT WITH EYES RINSE
THOROUGHLY WITH PLENTY OF WATER AND SEEK MEDICAL ADVISE.

SECTION 5 FIRE FIGHTING RELEASE MEASURES

EXTINGUISHING MEDIA

RECOMMENED: FIRE FIGHTING FOAM, WATER MIST

SECTION 6 ACCIDENTAL RELEASE MEASURES:

ENVIRONMENTAL PRECAUTIONS: DO NOT ALLOW TO ENTER DRAINS OR WATERWAYS.

METHODS FOR CLEANING UP /TAKING UP: TAKE UP MECHANICALLY. DISPOSE OF AS PRESCRIBED.

SECTION 7 HANDLING AND STORAGE:

ADVICE OF SAFE HANDLING: AVOID DUST FORMATION. USE ONLY IN WELL VENTILATED AREAS.

ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION: KEEP AWAY FORM SOURCES OF IGNITION.

REQUIREMENTS FOR STORAGE ROOMS AND VESSELS: KEEP ONLY IN THE ORIGINAL CONTAINER.

FURTHER INFORMATION ON STORAGE CONDITIONS: KEEP CONTAINER TIGHTLY CLOSED AND DRY.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION GEAR

GENERAL PROTECTIVE MEASURES: AVOID CONTACT WITH EYES.

HYGIENE MEASURES: OBSERVE THE USUAL PRECAUTIONS WHEN HANDLING CHEMICALS.

RESPIRATORY PROTECTION: DUST MASK

HAND PROTECTION: PROTECTIVE GLOVES

EYE PROTECTION: SAFETY GLASSES

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

DESCREPTION: WHITE CRYSTALLINE POWER, ODOURLESS

MELTING POINT: 225-236 °C

LOSS ON DRYING: 0.20%

FLASH POINT: NOT APPLICABLE

DENSITY: APPROX. 1,7 G/CM³ (20°C)
BULK DENSITY: APPROX. 800 KG/M³
SOLUBILITY IN WATER: APPROX. (20°C)
SOLUBILITY IN WATER: APPROX. (75°C)
PH-VALUE: 4,5-6(5G/L)

SECTION 10 STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: >225°C
HAZARDOUS DECOMPOSITION PRODUCT: NO HAZARDOUS REACTIONS WHEN
STORED AND HANDLED
ACCORDING TO PRESCRIBED INSTRUCTION.

SECTION 11 TOXICOLOGICAL INFORMATION:

ACUTE ORAL TOXICITY: LD₅₀ >5000 MG/KG(RAT) (METHOD: EEC 84/449,B.1)
IRRITANT EFFECT ON EYES: NON-IRRITANT (RABBIT EYE)

SECTION 12 ECOLOGICAL INFORMATION

BIODEGRADABILITY: >80% METHOD: OECD 302 B
FISH TOXICITY: LC₅₀ >5000 MG/L (BRACHIDANIO RERIO) METHOD: OECD 203
BACTERIA TOXICITY: EC₀ >10 G/L (PSEUDOMONAS PUTIDA) SOURCE: IRCHA
CHEMICAL OXYGEN DEMAND(COD): 240 MG/G
BIOCHEMICAL OXYGEN DEMAND(BOD₅): 63,8MG/G

SECTION 13 DISPOSAL CONSIDERATIONS

PRODUCT: DISPOSAL IN AN INCINERATION PLANT IN ACCORDANCE WITH THE
REGULATIONS OF THE LOCAL AUTHORITIES.

SECTION 14 TRANSPORT INFORMATIONS

ADR: NOT RESTRICTED
RID: NOT RESTRICTED

IMDG: NOT RESTRICTED

IATA: NOT RESTRICTED

SECTION 15 REGULATORY INFORMATION

LABELLING IN ACCORDANCE WITH EC-DIRECTIVES:

HAZARD WARNING LABELLING NOT COMPULSORY.

SECTION 16 OTHER INFORMATION

THIS INFORMATION IS BASED ON OUR PRESENT KONWLEDGE. HOWEVER, THIS SHALL NOT CONSTITUTE A GUARANTEE FOR ANY SPECIFIC PRODUCT FEATURES AND SHALL NOT ESTABLISH A LEGLLY VALID CONTRACTUAL RELATIONSHIP.