

SHANDONG AONA CHEMICAL CO.,LTD.

Material Safety Data Sheet

TTA.NA50%

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1 Identification of substance: |

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· Product details: |

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· Trade name: Tolyltriazole sodium salt 50% |

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· Supplier/Manufacturer: |

SHANDONG AONA CHEMICAL CO.,LTD.

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2 Composition/Data on components: |

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· Chemical characterization: |

CAS No.: 64665-57-2

Tolyltriazol 50% sodium salt solution, the balance is water

· Identification number(s): polymer |

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3 Hazards identification |

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· Hazard description: C Corrosive |

· Information pertaining to particular dangers for man and environment |

R 22 Harmful if swallowed. |

R 34 Causes burns. |

· Classification system |

Classification is based on the pH-value(< 2 or > 11.5 implements |

according to European directives corrosivity) |

The classification was made according to the latest editions of the EU- |

lists, and expanded upon fom company and literature data). |

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4 First aid measures |

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· General information |

Immediately remove any clothing soiled by the product. |

Symptoms of poisoning may even occur after several hours; therefore |

medical observation for at least 48 hours after the accident. |

· After inhalation |

In case of unconsciousness place patient stably in side position for |

transportation. |

- | · **After skin contact** |
- | Immediately wash with water and soap and rinse thoroughly. |
- | · **After eye contact** |
- | Rinse opened eye for several minutes under running water. Then consult |
- | a doctor. |
- | · **After swallowing** |
- | Do not induce vomiting. |
- | Drink copious amounts of water and provide fresh air. Call for a doctor |
- | immediately. |

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| **5 Fire fighting measures** |

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- | · **Suitable extinguishing agents** |
- | Use fire fighting measures that suit the environment. |
- | CO₂, extinguishing powder or water spray. Fight larger fires with water |
- | spray or alcohol resistant foam. |
- | · **Special hazards caused by the material, its products of combustion or**
- |
- | **resulting gases:** |
- | Dangerous decomposition product see chapter 10: stability and |
- | reactivity |
- | · **Protective equipment:** |
- | Wear self-contained respiratory protective device. |
- | Wear fully protective suit. |
- | · **Additional information** |
- | Dispose of fire debris and contaminated fire fighting water in |
- | accordance with official regulations. |
- | Collect contaminated fire fighting water separately. It must not enter |
- | the sewage system. |

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| **6 Accidental release measures** |

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- | · **Person-related safety precautions:** |
- | Wear protective equipment. Keep unprotected persons away. |
- | Use respiratory protective device against the effects of |
- | fumes/dust/aerosol. |
- | · **Measures for environmental protection:** |
- | Do not allow product to reach sewage system or any water course. |
- | Keep contaminated washing water and dispose of appropriately. |
- | · **Measures for cleaning/collecting:** |
- | Use neutralizing agent. |
- | Ensure adequate ventilation. |
- | Send for recovery or disposal in suitable receptacles. |
- | Dispose contaminated material as waste according to item 13. |

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7 Handling and storage

· Handling

· Information for safe handling:

Store in cool, dry place in tightly closed receptacles.

Prevent formation of aerosols.

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with eyes and skin.

Avoid inhalation of the vapours.

· Information about protection against explosions and fires:

No special measures required.

· Storage

· Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.

· Information about storage in one common storage facility:

Store away from foodstuffs.

· Further information about storage conditions:

Keep receptacle tightly sealed.

· Storage class 8 Corrosive products (VCI)

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8 Exposure controls and personal protection

· Additional information about design of technical systems:

No further data; see item 7.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred

· Additional information:

The lists that were valid during the creation were used as basis.

· Personal protective equipment

· General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· Breathing equipment:

Short term filter device:

Filter AX.

· Protection of hands: Alkaline resistant gloves

- | · **Eye protection:** |
- | Tightly sealed goggles. |
- | If a splashing of the product is possible wear full face protection. |
- | · **Body protection:** Alkaline resistant protective clothing |

| **9 Physical and chemical properties:** |

- | · **Form:** Liquid |
- | · **Odour:** almost odorless |
- | · Value/Range Unit Method |
- | · **Change in condition** |
- | · **Melting point/Melting range:** -8 ° C |
- | · **Boiling point/Boiling range:** 100 ° C |

- | · **Flash point:** not applicable |

- | · **Danger of explosion:** |
- | Product does not present an |
- | explosion hazard. |

- | · **Density:** at 20 ° C 1.19 g/cm³ |

- | · **Solubility in / Miscibility with** |
- | · **water:** Fully miscible |

- | · **pH-value:** at 20 ° C 12.0 |

| **10 Stability and reactivity** |

- | · **Thermal decomposition / conditions to be avoided:** |
- | No decomposition if used and stored according to specifications. |
- | Stable until boiling point |

- | · **Materials to be avoided:** |

| Oxidants |
| Strong acids |

- | · **Dangerous reactions** No dangerous reactions known |

- | · **Dangerous products of decomposition:** |

| In the case of fire or at high temperatures the formation of the |
| following decomposition products is possible. |

| Carbon monoxide and carbon dioxide |
| Nitrogen oxides (NOx) |

| **11 Toxicological information** |

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· **Acute toxicity:** ;
LD/LC50 values that are relevant for classification: ;
Oral: LD50: 920 mg/kg (rat) ;
· **Primary irritant effect:** ;
· **on the skin:** Caustic effect on skin and mucous membranes. ;
· **on the eye:** Strong caustic effect. ;
· **Sensitization:** No sensitizing effects known. ;
· **Additional toxicological information:** ;
Swallowing will lead to a strong caustic effect on mouth and throat and ;
to the danger of perforation of esophagus and stomach. ;

12 Ecological information: ;

· **Ecotoxicological effects:** ;
Aquatic toxicity: ;
LC50: 640 mg/L (fish) ;
· **General notes:** ;
Must not reach sewage water or drainage ditch undiluted or ;
unneutralized. ;
Water hazard class 2 (German Regulation) (Self-assessment): hazardous ;
for water. ;

13 Disposal considerations ;

· **Product:** ;
· **Recommendation** ;
Must not be disposed of together with household garbage. Do not allow ;
product to reach sewage system. ;
· **European waste catalogue** ;
07 01 01: aqueous washing liquids and mother liquors ;
· **Uncleaned packagings:** ;
· **Recommendation:** ;
Disposal must be made according to official regulations. ;
· **Recommended cleansing agent:** Water, if necessary with cleansing ;
agents. ;

* 14 Transport information ;

· **Land transport ADR/RID (cross-border)** ;
· **ADR/RID class:** 8 Corrosive substances. ;
· **Item:** 56c ;
· **Danger code (Kemler):** 80 ;
· **UN-Number:** 3267 ;

- **Label 8** |
- **Description of goods:** Corrosive liquid, basic, organic, n.o.s., |
| tolyltriazole sodium salt 50% |
- **Maritime transport IMDG:** |
- **IMDG Class:** 8 |
- **UN Number:** 3267 |
- **Packaging group:** II |
- **EMS Number:** 8-15 |
- **MFAG:** 760 |
- **Propper shipping name:** Corrosive liquid, basic, organic, n.o.s., |
| tolyltriazole sodium salt 50% |
- **Air transport ICAO-TI and IATA-DGR:** |
- **ICAO/IATA Class:** 8 |
- **UN/ID Number:** 3267 |
- **Packaging group:** II |
- **Propper shipping name:** Corrosive liquid, basic, organic, n.o.s., |
| tolyltriazole sodium salt 50% |

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· **15 Regulations** |

- **Markings according to EU guidelines:** |
| The product has been classified and marked in accordance with EU |
| Directives / Ordinance on Hazardous Materials |
- **Code letter and hazard designation of product:** C Corrosive |
- **Risk phrases:** |
| 22 Harmful if swallowed. |
| 34 Causes burns. |
- **Safety phrases:** |
| 26 In case of contact with eyes, rinse immediately with plenty of |
| water and seek medical advice. |
| 36/37/39 Wear suitable protective clothing, gloves and eye/face |
| protection. |
| 45 In case of accident or if you feel unwell, seek medical advice |
| immediately (show the label where possible). |

· **National regulations** |

- **Classification according to VbF:** void |

! · **Water hazard class:** !

! Water hazard class 2 (Self-assessment): hazardous for water. !

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* **16 Other information:** !

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! This information is based on our present knowledge. However, this shall !

! not constitute a guarantee for any specific product features and shall !

! not establish a legally valid contractual relationship. !