
Safety Data Sheet

Manufacturer : **INSTRUMENTAL POLYMER TECHNOLOGIES, INC.**
Product number : IPAE 0201
Trade name : IPAQUA AE0201
Printing date : 23.02.16 Reviewed on : 1.07.16 Page : 1/ 5

01. Identification of substance, preparation and company

Product name:

IPAQUA AE0201

Manufacturer/Supplier

INSTRUMENTAL POLYMER TECHNOLOGIES
717 LAKEFIELD ROAD, UNIT B
WESTLAKE VILLAGE, CA, 91361

Telephone / Telefax

telephone: 314-566-7802

telefax : 805-778-1500

Emergency information

telephone: 314-566-7802

02. Hazards identification

Hazard designation

MODERATELY TOXIC

Effects of a Single Exposure

Swallowing

Moderately Toxic. May cause irritation of mouth and throat, abdominal discomfort
nausea, vomiting and diarrhea. Headache may occur. Dizziness and drowsiness may occur.

Skin Absorption

No evidence of harmful effects from available information.

Inhalation

High concentrations of vapor cause irritation of the respiratory tract, experienced
As nasal discomfort and discharge, with chest pain and coughing. Loss of
Consciousness may occur. Dizziness and drowsiness may occur. Headache may occur.

Skin Contact

Causes irritation with discomfort and local redness.

Eye Contact

Not expected to pose a risk at room temperature. However, vapors which irritate the
respiratory tract and nasal passages are released upon heating.

03. Composition/information on ingredients

Chemical characterization

Urethane polymer in water

Non-hazardous components

Polyurethane polymer

Concentration : 32-34 % CAS number : Proprietary

**Hazardous Components (According to Regulation 2012 OSHA Hazard
Communication Standard; 29 CFR Part 1910.1200)**

1-Methyl-2-pyrrolidone (NMP)

Concentration : 5-6 % CAS number : 872-50-4

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04. First-aid measures

General

In all cases of doubt, or when sickness symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Immediately remove all contaminated clothing.

After inhalation

Remove to fresh air, keep patient warm and at rest.

Irregular breathing/no breathing: artificial respiration.

If unconscious place in recovery position and seek medical advice.

After skin contact

Wash skin thoroughly with soap and water or use recognised skin cleanser.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

After ingestion

Keep at rest.

Do not induce vomiting - call a physician.

05. Fire-fighting measures

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media

Waterjet

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Special protective equipment

When extinguishing fires, use breathing apparatus with an independent source of air.

Additional information

Cool endangered containers with water in case of fire.

DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES

06. Accidental release measures

Personal precautions

Avoid breathing vapours.

Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow to enter drains or watercourses..

If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Clean preferably with a detergent; avoid use of solvents.

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07. Handling and storage

Information about separation of incompatible products

Keep away from strongly acid materials.

Further information about storage conditions

Storage temperature 3-40°C.

08. Exposure controls and personal protection

Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

General protective and hygiene measures

Do not eat or drink during work - no smoking.

Produktkontakt mit Haut, Augen und Kleidung vermeiden.

Avoid the inhalation of dust from sanding, particulates and spray mist arising from the application of this preparation.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators:

Use half-mask model with cartridge or air-fed

Hand protection

For prolonged or repeated handling, use glove types like nitrile, neoprene or polyvinyl alcohol.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Wear safety goggles to protect against solvent splashes.

Body protection

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

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09. Physical and chemical properties

Image

Form : liquid
Colour : Milky White
Odour : Slight Ammonia

Relevant safety data

Change in condition

Melting point: 0°C (water)
Boiling point: 100°C (water)

Flash point : N.A.

Flammable limits :

Lower / Upper : Not Applicable

Vapour pressure : 22.7 mmHg at 20°C (water)

Density : (20 °C) > 1.02 g/cm3

Solubility in water : N.A.

pH : 8.0-9.0

10. Stability and reactivity

Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

Materials to avoid

Keep away from strongly acid materials.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Acute Oral Toxicity:

DL50, rat, >5.00 mg/kg

Acute Dermal Toxicity:

DL50, rabbit, >5.00 mg/kg

Corrosion or skin irritation:

It may cause transient irritation.

Irritation or Serious Eye Damage:

No eye irritation.

12. Ecological information

There are no data available on the preparation itself. For components which are dangerous for the environment see section 2.

The product should not be allowed to enter drains or water courses.

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Contaminated packaging Recommendation

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

13. Disposal Considerations

Not a hazardous waste. Dispose of in accordance with local, state and federal regulations.

14. Transport information

Not Regulated

15. Regulatory information

SARA 313 Information : This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not included in Title III SARA.

16. Additional Information

Hazard Codes:

Health - 1
Flammability - 0
Reactivity - 0

0 = Minimal Hazard
1 = Light Hazard
2 = Moderate Hazard
3 = Severe Hazard
4 = Extreme Danger

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
