

Jule, Inc.
MATERIAL SAFETY DATA SHEET

Date updated: 12/05/11

Section 1 - Product and Company Information

Product Name: TBE UREA GELS INCLUDES ALL GELS WITH DESIGNATION "U" FOR EXAMPLE 10U75M10

Product Number: ALL GELS WITH "U" IN CATALOG NUMBER FOR EXAMPLE 10U75M10

Company Address: JULE, INC
185 RESEARCH DRIVE SUITE #6
MILFORD, CT 06460 US

Technical Phone: 800-648-1772
Fax: 203-878-7448
Emergency Phone: 800-222-1222 (Poison Control)

Section 2 – Composition/Information on Ingredient

Ingredient Name	Cas #	Percent
Water	Cas #:7732-18-5 Einecs #: 231-791-2 RTECS: ZC010000	50-100%
Urea	Cas #: 57-13-6 Einecs #: 200-315-5 RTECS #: YR625000	35-50%
Polyacrylamide-co-methylene-bis-acrylamide	Cas #: 35034-58-6 EU #: 585-580-00-X	5-20%
Tris (hydroxymethyl) aminomethane	Cas #: 77-86-1 Einecs #: 201-064-4 RTECS #: TY 2900000	1.0-2.5%

Section 3 – Hazards Identification

- **Information pertaining to particular dangers for man and environment**

Not applicable

- **Classification System**

The classification was made according to the latest editions of the EU- lists, and expanded upon from company and literature

- **NFPA RATING (scale 0-4)**

HEALTH: 0

FLAMMABILITY : 0

REACTIVITY: 0

Section 4 – First Aid Measures

- **General Information**

No special measures required

- **After inhalation:**

Supply fresh air; consult doctor in case of complaints

- **After Skin Contact:**

Generally the product does not irritate the skin

- **After eye contact:**

Rinse opened eye for several minutes under running water.

- **After swallowing:**

Induce vomiting and call for medical help

Section 5 – Fire Fighting measures

- **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or Alcohol resistant foam.

- **Protective Equipment:**

No special measures required.

Section 6 – Accidental release measures

- **Person – related safety precautions:**
Not required
- **Measures for environmental protection:**
Do not allow to enter sewers/surfaces or ground water
- **Measures for cleaning/collecting:**
Pick up mechanically
- **Additional information:**
No dangerous substances are released

Section 7 – Handling and Storage

- **Handling**
- **Information for safe handling:**
No special measures required
No special precautions are necessary if used correctly
- **Information about protection against explosions and fires:**
No special measures required
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
No special requirements
- **Information about storage in one common storage facility:**
Not required
- **Further information about storage:**
None
- **Storage Class**
- **Class according to regulation on flammable liquids:**
Void

Section 8 – Exposure controls and personal protection

- **Additional information about design or technical system:**
No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:**
The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed
- **Protection of hands:**
Synthetic Gloves
- **Eye protection**
Not required

Section 9 - Physical and chemical properties

- **Form:** Solid
- **Color:** Colorless
- **Odor:** Odorless
- **Change in condition:**
- **Melting Point:** undetermined
- **Boiling point/Boiling range:** undetermined
- **Flash Point:** Not applicable
- **Auto Ignition:** Product is not selfigniting
- **Danger of explosion:** Product does not present an explosion hazard
- **Vapor pressure:** at 20 degrees Celcius 23.0 hPa
- **Density:** Not determined
- **Solubility in/Miscibility with:**
- **Water:** Insoluble
- **Solvent Content:**
- **Organic Solvents:** 0.0%
- **Water:** 35-50%
- **Solids Content:** 35-50%

Section 10 – Stability and reactivity

- **Thermal decomposition/conditions to be avoided:**
No decomposition if used according to specifications
- **Dangerous reactions:**
No dangerous reactions known
- **Dangerous products of decomposition:**
No dangerous decomposition reactions known

Section 11 – Toxicological Information

- **Acute toxicity:**
LD/LC50 values for hazardous components per OSHA criteria:
57-13-6 urea
Oral: LD50: 14500 mg/kg (rat)
- **Primary irritant effect:**
 - **On the skin:** no irritant effect
 - **On the eyes:** no irritant effect
- **Sensation:**
No sensitizing effects know.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the general EU classification guidelines for preparations as issued in the latest version.
When used and handled according to specifications, the product does not have Any harmful effects according to our experience and the information provided to us.

Section 12- Ecological Information

- **General Notes:**
Water hazard class 1 (German Regulation) (Self – assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Section 13- Disposal Considerations

- **Product:**

- **Recommendation:**

On the basis of necessary technical regulations and after consultation with the disposal agent and relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.

- **Uncleaned packaging:**

- **Recommendation:**

Packaging that cannot be cleansed are to be disposed of in the same manner as the product.

Section 14- Transport Information

- **DOT regulations:**

- **Hazard class: -**

- **Land transport ADR/RID (cross border)**

- **ADR/RID class: -**

- **Maritime transport IMDG:**

- **IMDG Class: -**

- **Marine pollutant: No**

- **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class: -**

Section 15 – Regulations

- **SARA (Superfund Amendments and Reauthorization Act of 1986 – USA)
Section 302/3-4 (40CFR355.30/40CFR355.40)**

None of the ingredients is listed

TSCA (Toxic Substance Control Act)

7732-18-5	water
57-16-6	urea
77-86-1	Tris (hydroxymethyl) aminomethane
10043-35-3	boric acid

- **California Proposition 65:
Chemicals know to cause cancer**

The product does not contain listed components.

Chemicals known to cause reproductive toxicity:

The product does not contain listed components.

- **Markings according to EU guidelines**
Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under the EU Directives and the Ordinance on Hazardous Materials (GefstoffV).

- **Safety phrases:**
60 This material and its container must be disposed of as hazardous waste.

- **National regulations:**

- **Classification accordance to VbF:**
Void

- **Water hazard class:**
Water hazard class 1 (Self - assessment): slightly hazardous for water.

Section 16 – Other Information

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.

• **Department issuing MSDS:** Environmental Health and Safety.

• **Contact:**

Jule, Inc.
185 Research Drive Suite #6
Milford, CT 06460 US
800-648-1772