

# SAFETY DATA SHEET 1907/2006/EC (GB)

## 1-component polyurethane foam (PU FOAM)

Prepared on: 31.07.2007 Revised on:01.01.2015 Version:7.0

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERSTAKING

#### 1.1 Product identifier

- Product name: PU FOAM
- Product code: MQ750(62801); MQ300(62803)

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### 1.3 Details of the supplier of the safety data sheet

- Registered company name: Shanghai Haohai Chemical Co.,Ltd.
- Address: 5F No.139-2 Anshun Road Shanghai China
- Tel: +86-21-62941235 Fax: +86-21-62943468
- E-mail: [haohai@haohaigroup.com](mailto:haohai@haohaigroup.com)
- www.haohaigroup.com

#### 1.4 Emergency telephone number

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of this substance or mixture.

In compliance with EC regulation No.1272/2008 and its amendments.

- Skin irritation, Category 2
- Eye irritation, Category 2
- Skin sensitization, Category 1

In compliance with directives 67/548/EEC 1999/45/EC and its amendments.

- Possibility of skin sensitization. The mixture may also irritate the skin and prolonged contact may aggravate the effect.
- Possibility of irritation to the eyes, by inhalation and skin..

#### 2.2 Label elements

In compliance with EC regulation No.1272/2008 and its amendments.



Signal word: Warning



Signal word: Danger

- Hazard statement:

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

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H335	May cause respiratory irritation
H222	Extremely flammable aerosol

● Precautionary statements-Prevention:

P261	Avoid breathing vapours
P271	Use only outdoors or well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection

● Precautionary statements-Response:

P302+P352	IF ON SKIN: wash with plenty soap and water
P304+P340	IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice / attention.
P337+P313	If eye irritation persists: Get medical advice / attention.

● Precautionary statements-Storage:

P403	Store in a well-ventilated place.
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● Precautionary statements- Disposal:

P501	Dispose contents /container at a disposal facility according to local regulations.
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**In compliance with directives 67/548/EEC 1999/45/EC and its amendments.**



Xi: Irritant

R36/37/38 Irritating to the eyes, the skin and the respiratory tract.



F+: Extremely flammable

**Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of the "General classification guideline for preparations of the EU" in the latest valid version.

Frequent or continuous skin contact causes irritation and may lead to dermatitis.

May cause localized irritation, reddening and swelling. Vapour may irritate nose and upper respiratory tract. May cause irritation of mucous membranes in the mouth and digestive tract.

**Classification system:**

The classification is in line with current EC lists. In addition it is supplemented by data taken from



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technical literature and by company data.

### Safety Phrases:

S1/2	Keep locked up and out of the reach of Children
S23	Do not breathe spray
S24/25	Avoid contact with skin and eyes
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S33	Take precautionary measures against static discharges
S36/37	Wear suitable protective clothing and gloves.
S46	If swallowed, seek medical advice immediately and show this container or label
S51	Use only in well-ventilated areas

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical characterization: Mixtures

#### Discription: Mixture of substances listed below with nonhazardous additions

CAS	Name of the Ingredient	Conc
9016-87-9	MDI	40-50%
53637-25-5	Polyether polyol	30-40%
Not Available	Blowing agent (141B)	10%

## SECTION 4. FIRST AID MEASURES

**General :** In all cases of doubt, or when symptoms persists, seek medical advice immediately.

**Inhalation:** Remove immediately to the fresh air.

**Skin contact:** Wash off immediately with plenty of water and soap. Remove contaminated clothing.

**Eye contact:** Rinse thoroughly with plenty of water.

**Ingestion:** Give plenty of water to drink. Do not induce vomiting.

## SECTION 5. FIRE FIGHTING MEASURES

### Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Cool down endangered containers

### For safety reasons unsuitable extinguishing agents:

Water with a full water jet.

**Special hazards caused by the material:** No further relevant information is available

**Protective equipment:** No special measures required.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions :** Use protective gloves, work clothes and glasses. Ensure good ventilation of the area. Wearing facemask is recommended. Smoking is prohibited!

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Avoid sparks.

Environmental precautions: Do not allow materials to enter sewers, the soil or surface water.

Cleaning procedures : Uncured foam is very sticky so carefully remove the bulk of the foam by scraping it up and immediately remove residue with a rag and solvent such as mineral spirits, acetone, paint thinner etc. Once the foam has cured, it can only be removed physically by scraping, buffing etc.

### **SECTION 7. HANDLING AND STORAGE**

#### **Storage:**

#### **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

**Information about storage in one common storage facility:** Not. required.

#### **Further information about storage conditions:**

Store in cool, dry conditions , up-right.

Protect from heat and direct sunlight.

**Specific end use(s)** No further relevant information available.

### **SECTION 8. EXPOSURE CONTROL/ PERSONAL PROTECTION**

#### **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.

Do not inhale gases /fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

**Respiratory protection:** Not required.

#### **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** safety goggles



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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Product: Aerosol

Density: 14 to 30 kg/m<sup>3</sup>

Adhesive strength:

PVC-PVC: 80 kPa

Aluminum plates: 80 kPa

Tack free time: 12 mins at 23 °C / 50% RH

Yield per 100 ml: 6 L

Storage life: 12 months when stored at 20 °C

#### SECTION 10. STABILITY AND REACTIVITY

##### Reactivity

##### Chemical stability

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications. .

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** No dangerous decomposition products known.

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

##### Irritancy and corrosiveness

Eye irritant

##### Sensitization

Prolonged skin contact may cause allergic reaction

##### Subacute, subchronic and prolonged toxicity

Inhaling of vapour irritates the mucous membrane in the respiratory organs, caused coughing, breathing difficulties and headache. The symptoms can be delayed. High contents can cause suffocation.

##### Other

Wholly cured foam (at least 24h) is not toxic or irritant

#### SECTION 12. ECOLOGICAL INFORMATION

Biodegradation

None

Chemical Degradation

None

Bioaccumulation

None

#### SECTION 13. DISPOSAL CONSIDERATIONS

**Product:** observe your local disposal regulations

##### Refuse code:

refuse code 1605 Chemicals and gases in container

Fully emptied containers:



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Refuse code 08 04 09: Adhesive and sealant disposals, containing organic solvents and other dangerous substances

Cured product pieces

Refuse code: 170203 Polymers

Refuse code: 170604 Insulation material with exception of these mentioned at item

Uncleaned packages:

Recommendation: Disposal must be made according to official regulations.

### SECTION 14. TRANSPORT INFORMATION

Land-transport ADR/RID GGVS/E

- ADR/RID GGVS/E class
- UN number: 1950
- Description:
- Notice:

Sea transport IMDG/GGVSee:

- IMDG/GGVSee-class:
- UN number
- EMS number
- Marine pollutant:
- Correct technical name:

Air transport ICAO-ti AND IATA-DGR

- ICAO/IATA class
- UN/ID number
- notice

### SECTION 15. REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.**

**- Particular provisions:**

- No data available

**- Chemical safety assessment:**

- No data available

### SECTION 16. OTHER INFORMATION

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.



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### **Titles for H, EUH and R indications mentioned in Section 3**

<b>H302</b>	<b>Harmful if swallowed</b>
<b>H315</b>	<b>Causes skin irritation</b>
<b>H317</b>	<b>May cause an allergic skin reaction</b>
<b>H319</b>	<b>Causes serious eye irritation</b>
<b>H335</b>	<b>May cause respiratory irritation</b>
<b>R36/37/38</b>	<b>Irritating to eyes, respiratory and skin</b>

**Changes against earlier versions:** completely revised.