1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LEWATIT A 365
Product code: 56788089
Other names: None

Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Ion exchange, resins and catalysts

Manufacturer or supplier's details
Supplier: LANXESS Chemical (China) Co., Ltd.
6 F, 5 Corporate Avenue, No. 150
Huangpu District, Shanghai, 200021, People's Republic of China
Telephone: +862161096666
Emergency telephone number: +86 532 83889090

2. HAZARDS IDENTIFICATION

GHS Classification
Not a hazardous substance or mixture.

GHS label elements
Not a hazardous substance or mixture.

Other hazards which do not result in classification
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture
Chemical nature: acrylic resin

Hazardous components
No hazardous ingredients

4. FIRST AID MEASURES
General advice : Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Do not leave the victim unattended.

First aid measures for different exposure routes
If inhaled : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Keep respiratory tract clear. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Maintain open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.

In case of skin contact : Wash off with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

In case of eye contact : Get medical attention if symptoms appear.

If swallowed : Rinse mouth with water. Give small amounts of water to drink. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed : No symptoms known or expected.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

Notes to physician : No special measures required.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In case of fire, use water spray (fog), foam or dry chemical.

Unsuitable extinguishing media : None known.

Specific hazards during firefighting : none

Hazardous combustion products : Carbon monoxide Carbon dioxide (CO2) Nitrogen oxides (NOx) Metal oxides

Specific extinguishing methods : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.
No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: No action shall be taken involving any personal risk or without suitable training. Do not touch or walk through spilt material. Put on appropriate personal protection equipment. Hazard of slipping on spilt product.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

Methods and materials for containment and cleaning up: Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of wastes in an approved waste disposal facility. Do not allow into the sewerage system, surface waters or groundwater or into the soil.

7. HANDLING AND STORAGE

Handling
Advice on safe handling: Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Storage
Conditions for safe storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep containers sealed until ready for use. Do not store in unlabelled containers.

Take action to prevent static discharges. Do not allow to dry.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment
Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
Filter type : P1 filter

Hand protection
Material : Polyvinyl chloride - PVC
Wearing time : < 60 min

Material : Nitrile rubber - NBR
Wearing time : < 60 min

Eye protection : Safety glasses with side-shields

Skin and body protection : Wear suitable protective clothing.

Hygiene measures : Appropriate techniques should be used to remove potentially contaminated clothing. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : beads

Colour : yellow, white, opaque

Odour : slight, amine-like

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : Not applicable
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaporation rate</td>
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</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
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<tr>
<td>Self-ignition</td>
<td>&gt; 161 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td></td>
</tr>
<tr>
<td>Burning number</td>
<td>2 (20 °C)</td>
</tr>
<tr>
<td>Upper explosion limit / Upper flammability limit</td>
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</tr>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
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<tr>
<td>Vapour pressure</td>
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</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.13 g/cm³ (20 °C)</td>
</tr>
<tr>
<td>Bulk density</td>
<td>700 - 760 kg/m³</td>
</tr>
<tr>
<td>Solubility(ies)</td>
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<tr>
<td>Water solubility</td>
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<tr>
<td>Partition coefficient: n-octanol/water</td>
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</tr>
<tr>
<td>Ignition temperature</td>
<td>&gt; 161 °C</td>
</tr>
<tr>
<td>Auto-flammability</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
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<tr>
<td>Viscosity</td>
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</tr>
<tr>
<td>Explosive properties</td>
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<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>No data available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is chemically stable.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : Contact with strong oxidising agents may cause hazardous
Incompatible materials: Oxidizing agents
Hazardous decomposition products: No decomposition if stored normally.

11. TOXICOLOGICAL INFORMATION

Symptoms of Overexposure: No symptoms known or expected.

**Acute toxicity**
Not classified based on available information.

**Product:**
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Remarks: Test results on an analogous product

**Skin corrosion/irritation**
Not classified based on available information.

**Product:**
Result: No skin irritation
Remarks: Test results on an analogous product

**Serious eye damage/eye irritation**
Not classified based on available information.

**Product:**
Result: No eye irritation
Remarks: Test results on an analogous product

**Respiratory or skin sensitisation**

**Skin sensitisation**
Not classified based on available information.

**Respiratory sensitisation**
Not classified based on available information.

**Chronic toxicity**

**Germ cell mutagenicity**
Not classified based on available information.

**Carcinogenicity**
Not classified based on available information.

**Reproductive toxicity**
Not classified based on available information.

**STOT - single exposure**
Not classified based on available information.
STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: Examine possibilities for re-utilisation.
   Product residues and uncleaned empty containers should be packaged, sealed, labelled, and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues. For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used. Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Special precautions for user
Not applicable

International Regulations

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Hazard statements:
- Not dangerous cargo.
- Avoid heat above +40 °C.
- Avoid temperatures below -20 °C.
- Keep separated from foodstuffs.

15. REGULATORY INFORMATION

National regulatory information

International Chemical Weapons Convention (CWC)
Schedules of Toxic Chemicals and Precursors: Not applicable

Taiwan. Categories and Regulations Governing Inspection and Declaration of Industrial Precursor Chemicals:
Neither banned nor restricted

Further information:
1. Labor Safety and Health Act
2. Regulation of Labelling and Hazard Communication of Dangerous and Harmful Materials
3. Rules of Road Traffic Safety
4. Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste
5. Waste Disposal Act
6. Toxic Chemical Substances Control Act
7. Rules for Labor Safety and Health Installations
8. Criterion for Preventing the Hazard of Specific Chemical Substance
9. Standards of Permissible Exposure Limits of Airborne Hazardous Substances in Workplace
10. Public Hazardous Substances & Flammable Pressurized Gases Establishment Standards & Safety Control

16. OTHER INFORMATION

Full text of other abbreviations
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals

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Prepared by: LXAEK(Regulatory Affair &Product Safety manager).
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