

## U0200-265D

### Safety Data Sheet (Complying with HCS)

#### 1. IDENTIFICATION

Product name : U200-265D  
:  
HCS product identifier : none  
Other means of identification : none  
Recommended use of the chemical and restrictions on use : Foaming agent, Thermoexpandable capsule.

#### MANUFACTURE

Company Name : Chase Corporation - Chemical Intermediates Division of Chase Corp.  
Address : 9 Furman Hall Ct, Greenville, SC 29609  
Telephone : 1-800-323-4182

EMERGENCY TELEPHONE NUMBERS:	Chemtrec (US - 24 hrs)	800-424-9300
	Chemtrec (Int'l - 24 hrs)	703-527-3887

#### 2. HAZARD IDENTIFICATION

HCS Classification of the substance or mixture : Serious Eye Damage/Eye Irritation: Category 2B  
HCS label elements, including precautionary statements : not applicable  
Signal word : Warning  
Precautionary statement : may be harmful if swallowed, causes eye irritation, toxic to aquatic lifeact

#### EMERGENCY OVERVIEW:

When stored in closed containers;

\*the concentration of residual monomers and hydrocarbon released may reach such a level that inhalation is harmful.\*a flammable atmosphere within the containers can develop.

Dust explosion hazard :Lowest explosion concentration approximately 65g/m<sup>3</sup>

Precautions : Avoid inhalation of dusts. Wear dust mask if dust levels exceed 10 mg/m<sup>3</sup>.

Avoid eye and skin contact with dusts.

#### Suggested First Aid:

Eye Contact : Immediately flush with plenty of water. If irritation persists, contact a physician.

Skin Contact : Wash affected area with soap and water.

Inhalation : Remove person to uncontaminated air.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

U200-265D is a thermoexpandable microcapsule which encapsulates a volatile hydrocarbon as blowing agent with copolymer of Acrylonitrile and the other acrylics.

<u>Chemical name</u>	<u>CAS NO</u>	<u>Wt%</u>	<u>Classification</u>
Copolymer of Acrylonitrile and the other acrylics	trade secret	72~86%	
2-Methyl butane	78-78-4	7~13%	F+, Xn, N R:12-65-66-67-51/53
2,2,4-Trimethyl pentane	540-84-1	7~13%	F+;R11 Xn;R65 R67
Silica	7631-86-9	<2%	

#### Residual Monomer

Acrylonitrile	107-13-1	<0.02%	F, T, R:45-11
Methacrylonitrile	126-98-7	<0.05%	F, T, N, Xn R:11-20/21/22-43

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Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Otherlimits Recommended%(optional)
Acrylonitrile CAS No. 107-13-1	2ppm	2ppm	<0.02%
Methacrylonitrile CAS No. 126-98-7		1ppm	<0.05%
2-Methyl butane CAS No. 78-78-4		600ppm	7~13%
2,2,4-Trimethyl pentane CAS No. 540-84-1		300ppm	7~13%

**4. FIRST AID MEASURES**

Emergency and First Aid Procedures :

- Eye contact : Immediately flush with plenty of water. If irritation persists, contact a physician.  
 Skin contact : Wash affected area with soap and water.  
 Inhalation : Remove person to uncontaminated air.  
 Ingestion : Drink a glass of water or warm water.

Health effects

- Eye contact : May cause inflammation.  
 Skin contact : May cause inflammation rarely.  
 Inhalation : MATSUMOTO MICROSPHERE is dusty and cause transient difficulty in breathing. Concentration of residual monomers and hydrocarbon released may reach such a level that inhalation is harmful, when stored in closed containers.  
 Ingestion : No serious health effect anticipated due to chemical composition.

Medical attention

Professional assistance by a doctor if needed.

**5. FIRE-FIGHTING MEASURES**

Flammable properties

- Flammability : Not classified as highly flammable.  
 Flammable Limits : Not Applicable  
 Autoignition Temperature : Not Applicable  
 Explosion properties : Dust explosion hazard. Lowest explosion concentration approximately 65g/m<sup>3</sup> (Similar product.)  
 Extinguishing Media : Foam, CO<sub>2</sub> sand, or water spray.

Special Fire Fighting protective equipment : Self-contained breathing apparatus.

Unusual Fire and Explosion Hazards : U200-265D contains 14~26% hydrocarbon. Ordinary decomposition materials may occur in case of fire.

**6. ACCIDENTAL RELEASE MEASURES**

Personal protection:

Avoid inhalation of dusts. Wear safety gloves, goggles, and masks. Avoid eye and skin contact with dust.

Care for environment : Keep out of public waterway.

Methods and materials for containment and cleaning up:

Sweep up by a vacuum cleaner and transfer the product to a safe place, and contain it in containers.

Prevention of secondary disaster:

- Remove source of ignition and prepare extinguishing media. Do not walk on spilled product.  
 Use spark-free tools for removing the spillage.

**7. HANDLING AND STORAGE**

Handling: Keep away from fire at below 40 degrees C.

When preparing mixtures, maintain adequate ventilation and use improved safety electronic equipments.

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Storage : Keep away from fire at below 40 degrees C and maintain adequate ventilation.  
Incompatible product : None  
Packaging materials : Polyethylene bag, Fiberboard drum.  
Iron drum.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls :  
Ventilation : Local exhaust is recommended.  
Personal protective equipment:  
Respiratory Protection : Put on dust-protective mask.  
Eye Protection : Not normally necessary. Use goggles and full face shield if dispersing is possible.  
Other Protective Clothing or Equipment:  
Prevent skin contact by providing gloves, apron and arm covers.  
Work/Hygienic Practices:  
Normal care and cleanliness during handling.  
Exposure guidelines : Not established.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor : Pale yellow powder. Specific odor.  
Moisture : below 6.0%.  
pH : 4~6 (1% dispersion)  
Softening point : Not Applicable  
Boiling point : Not Applicable  
Flammability : Not classified as highly flammable.  
Explosion properties: Dust explosion hazard. Lowest explosion concentration approximately 65g/m<sup>3</sup>.  
Specific Gravity (H<sub>2</sub>O= 1) : about 1.1  
Solubility in water : Insoluble

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#### 10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions.  
Incompatibility (Materials to Avoid) : None  
Hazardous Decomposition or Byproducts : None  
Hazardous Polymerization : Will not occur

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#### 11. TOXICOLOGICAL INFORMATION

Acute inhalation effects  
Eye effects : Not established  
Skin effects : Not established  
Acute oral effects : Not established  
Subchronic effects : Not established  
Chronic effects / Carcinogenicity: Not established  
Mutagenicity : Not established  
The information is not available yet.

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#### 12. ECOLOGICAL INFORMATION

Mobility in soil : Unknown

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Persistence/degradability : Unknown  
Bioaccumulation : Unknown  
Eco-toxicity : Unknown  
Hazardous to the ozone layer:: None  
The information is not available yet.

#### 13. DISPOSAL CONSIDERATION

Waste disposal method:

Burn down a little a time. Dispose of in accordance with all local, state and federal regulations.  
Comply with all EU, national and local regulations.  
Do not dump this material into sewers, on the ground or into any body of water.

#### 14. TRANSPORT INFORMATION

International transportation:

Follow the rules of IATA for air transportation and the rules of IMDG for marine transportation.

The UN classification number: UN-2211 UN packing Group: III

Polymeric Besds expandable/Polystyrene Beads expandable

IMDG : Code ; Class9, Code Page ; 9036  
EmS No : F-A,S-I  
MFAG No : none  
ADR/RID : Class9, 4(c)  
IATA-DGR : Class 9

#### 15. REGULATORY INFORMATION

Classification : Not classified as harmful substance.

Labeling :

Danger symbol :

HMIS-rating: Health 1  
Flammability 2  
Reactivity 0  
Personal Protect 1

Chemical inventories:

TSCA CFR§720.3(C)“article”2004.4.28 (Thermoexpandable Microcapsule)  
Other components are listed.

EINECS All components are listed. Polymer under Polymer Exemption.

Canada DSL Exempt from notification under the New Substances Notification Regulations (NSNR) of the Canadian Environmental Protection Act, 1999 (CEPA 1999).

Please refer to national measures that may be relevant.

#### 16. OTHER INFORMATION

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