

## SAFETY DATA SHEET

Trade Name: InstaCote CC PS 413, Resin Part "B"

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### **Section 1 – Product and company identification:**

Product Name: InstaCote CC PS 413, Aspartic Ester/Amino functional reactive thinner, Resin Part "B"  
Multiple Parts (Yes/No): Yes  
Proprietary (Yes/No): Yes

Manufactured by:

INSTACOTE, INC.  
160 C Lavoy Rd.  
Erie, MI 48133  
Phone (734) 847-5260 Fax (743) 847-9008  
Emergency (419) 343-6727

Validation date: January 26, 2016

### **Section 2– Hazard Identification:**

Physical state: Liquid  
Color: Blue  
Odor: Slight  
OSAH/HCS status: This material is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200)

Emergency overview: WARNING!

Primary Routes of Exposure: Ingestion and Inhalation. Ingestion of product will cause irritation of the mouth, pharynx, esophagus and stomach. Breathing atomized vapors may cause headaches, nausea, irritation of the nose throat and lungs. Chronic exposure effects: none reported. Carcinogenicity: Not listed as a carcinogen by NTP, IARC nor regulated by OSHA. Medical conditions aggravated by exposure: none known.

Hazard Info (US) **Health-2** **Fire-1** **Reactivity-0** **Special- None**  
Scale 4 = extreme, 3 = high, 2 = moderate, 1 = insignificant

GENERAL INFORMATION: Read this entire MSDS for a more thorough evaluation of the hazards.

### **Section 3– Composition/information on ingredients:**

Name	CAS Number	Weight %
Aspartic Ester	136210-30-5	53-88%
Aspartic Ester	136210-32-7	13-35%
Aliphatic Carboxylic Ester	623-91-6	1-5 %
Propylene Carbonate	108-32-7	≤10%

**Section 4– First aid measures:**

Eye Contact: Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. Wash clothing prior to re-use.

Ingestion: Have individual drink 1-2 glasses of water to dilute. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical assistance.

Inhalation: Move individual to fresh air. Consult a Physician. If breathing becomes labored, administer O<sub>2</sub>.

**Section 5– Fire-fighting measures:**

Flash Point: 93°C, (200°F)

Flammable Limits: Upper: Not Established Lower: Not Established

Combustion products: Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>, etc.) hydrocarbons and HCN.

Extinguishing Media: Dry chemical, foam, CO<sub>2</sub> and water fog. Do not spray water into hot material; use water fog to cool surrounding fire.

Special Fire Fighting Precautions: Full face shield, self-contained breathing apparatus (SCBA) with full protective gear.

Special Remarks: Due to reaction with water producing CO<sub>2</sub>-gas, a hazardous build-up of pressure could result if contaminated containers are re-sealed. Containers may burst if overheated.

**Section 6– Accidental release measures:**

Spills/Leaks: Ventilate area and eliminate all sources of ignition. Wear appropriate protective gear (see section 8), contain spill, salvage, and clean up residue with absorbent material.

Disposal Method: Dispose in accordance with federal, state and /or local regulations. Landfill if solid, incinerate at agency approved waste-disposal facility (see section 13).

**Section 7– Handling and storage:**

Handling: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Avoid breathing vapor or mist. Never reuse an empty container due to residual chemical content. Decontaminate container prior to disposal. Do not heat, torch cut, weld or otherwise apply extreme heat to the metal container. Residual chemical will decompose to produce harmful vapors.

Storage: Store at temperatures between 0°C (32°F) and 50°C (122°F). Insure drum closure to be tight. Store product in a dry environment away from strong oxidizing agents. Protect product from extreme temperatures. Material is hygroscopic and may absorb atmospheric moisture/water.

**Section 8– Exposure controls/personal protection:**

Product name:	Exposure limits:
Aspartic Ester (Trade secret)	N/A
Monoaspartate	N/A
Aliphatic Carboxylic Ester	N/A
Propylene Carbonate	N/A

**Consult local authorities for acceptable exposure limits.**

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build-up of heavy vapors.

PPE: DO NOT WEAR CONTACT LENSES when working with this product. Wear chemical goggles/safety glasses with side shields and rubber/latex gloves. Selection of items such as boots and apron will depend on the experience of the operator. Respirators are not required with the use of this product alone. Refer to the MSDS of the related component for this product. Wear respirator protection whenever a mist is generated such as spray application. Spray application in confined spaces, closed rooms, or tanks are areas where mist generation will exceed TLV or TWA. Refer to OSHA CFR29 1910.134 for recommended respiratory protection.

**Section 9 – Physical and chemical properties:**

Appearance:	Liquid
Color:	Blue
Odor:	Slight
Boiling Point:	N/A,
Flash point:	approx.. 145°C (293°F)
Lower explosion limit:	N/A
Upper explosion limit:	N/A
pH:	N/A
Freezing point:	N/A
Specific Gravity:	1.05 @ 20°C (68°F)
Vapor Pressure:	N/A
Water Solubility:	Negligible
Autoignition temp:	N/A
Viscosity, dynamic:	150 mPa.s@ 25°C (77.0°F)
Evaporation Rate:	NA
Bulk density:	8.7 lb/gal

**Section 10 – Stability and reactivity:**

Stability/reactivity:	Stable at room temperature.
Instability:	Avoid high temperatures
Materials to Avoid:	Strong Oxidizing Agents
Hazardous Polymerization:	Does not occur
Hazardous Decomposition Products:	

By fire and thermal decomposition: Carbon Oxides, Nitrogen Oxides, Amines, other aliphatic fragments which have not been determined. Ammonia gas may be liberated at high temperatures.

### **Section 11 – Toxicological information:**

Toxicology data:

#### Acute

Product/ingredient name	Test	Species	Result	Exposure
Aspartic Ester	LD50,oral	Rat	2000mg/kg	-
	LC50, aerosol	Rat	4224mg/m3	4hrs
	LD50,dermal	Rabbit	2000mg/kg	-
	Skin Irritation	Rabbit	mod. Irritating	24hrs
	Eye irritation	Rabbit	mod. irritating	
Propylene Carbonate	LD50,oral	Rat	1780mg/kg	-

Sensitization: Strong Skin sensitizer (guinea pig, maximization test -GPMT)

Mutagenicity: Genetic toxicity in vitro: Ames- negative

### **Section 12 – Ecological information:**

Biodegradation: 13%, 28days, not readily biodegradable.

Product/ingredient name	Test	Species	Result	Exposure
Aspartic Ester	LC0	Fish	66mg/l	96hrs
	EC0	Daphnia	88.6mg/l	48hrs
	EC50	Green Algae	110mg/l	72hrs
	EC50	Terrestrial Plants	113mg/l	3hrs

### **Section 13 – Disposal consideration:**

Disposal Method: Dispose in accordance with federal, state and /or local regulations. Landfill if solid, incinerate at agency approved waste-disposal facility.

Empty container precaution:

Never reuse an empty container due to residual chemical content. Decontaminate container prior to disposal. Do not heat, torch cut, weld or otherwise apply extreme heat to the metal container. Residual chemical will decompose to produce harmful vapors.

### **Section 14– Transportation information:**

DOT- Classification not-regulated

IMDG- Classification not-regulated

IATA- Classification not-regulated

**Section 15– Regulatory information:**

OSHA Hazcom Standard Rating: Hazardous  
Us. Toxic Substances Control Act: Listed on the TSCA Inventory

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Components: None

SARA Section 311/312 Hazard Categories:  
Acute health hazard, chronic health hazard, reactivity hazard

US. EPA emergency planning and community right-to-know act (EPCRA) SARA Title III sections; 302 Extremely hazardous Substance and 313 Toxic chemicals;

Components: None

US. EPA Resources conservation and recovery act (40CFR 261.20-24)

Massachusetts, New Jersey, Pennsylvania right to know (see section 3)

Name	CAS Number	Weight %
Aspartic Ester	Trade secret	53-88%
Monoaspartate		7-13%
Aliphatic Carboxylic Ester	623-91-6	1-5 %
Propylene Carbonate	108-32-7	≤10%

California Prop. 65:

To best of our knowledge, this product does not contain any of the listed chemicals , which the state of California has found to cause cancer, birth defects or other reproductive harm.

**Section 16– Other information:**

The handling of Aspartic ester, monoaspartate, aliphatic carboxylic ester and propylene carbonate requires appropriate protective measures referred to in this MSDS. These products are therefore recommended only for use in industrial or trade (commercial) applications. They are not suitable for use in Do-it-yourself applications.

Contact person: Thomas J. Nachtman  
Telephone: 734-847-5260  
MSDS Number: CC PS 413 Part B  
Version Date: 1/26/16  
Report Version: 2.0

This version replaces all previous versions.

**END**