

## MATERIAL SAFETY DATA SHEET

10/04/08

Product Name: TWIN GLUE CLEANER 400 HMIS Code: 220J  
Manufacturer: TWIN SPECIALTIES CORP.  
Address: 15 East Ridge Pike  
Conshohocken, PA 19428  
Telephone No: (610) 834-7900  
24 Hour Emergency CHEM-TEL: (800) 255-3924

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Hazardous Ingredients

Chemical Name	Exposure Limit	CAS No.	% by wt
AROMATIC PETROLEUM DISTILLATE		64742-95-6	<50
1,2,4-TRIMETHYLBENZENE		95-63-6	15-20
1,3,5-TRIMETHYLBENZENE		108-67-8	4-6
DIETHYLENE GLYCOL BUTYL ETHER		112-34-5	<5
PETROLEUM HYDROCARBON SOLVENT		8052-41-3	<50

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Physical and Chemical Characteristics

Boiling Point:	>350 °F	Specific Gravity:	0.830
Vapor Pressure:	Not Established	Vapor Density:	>1 (Air = 1)
Solubility:	Emulsion	pH:	not app.
Appearance:	Clear liquid, Solvent odor		

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Fire and Explosion Data

Flash Point: 120 °F Auto-ignition Temperature: Not available

Explosion Limits: (upper) NO DATA (lower) NO DATA

## Extinguisher media:

Foam, dry chemical, water fog, or carbon dioxide

## Special Fire Fighting Procedures:

Caution COMBUSTIBLE! Do not enter confined space without full bunker gear (helmet, shield, coat, boots) and a self contained positive pressure NIOSH approved breathing apparatus.

## Unusual Fire or Explosion Hazards:

Containers exposed to extreme heat should be cooled with water spray to prevent vapor build up and possible rupture and/or explosion. Vapors are heavier than air and may accumulate in low areas.

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Health Hazards

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**Skin Contact:**

May cause irritation of the skin. Repeated or prolonged contact may cause drying and defatting of skin.

**Eye Contact:**

Causes severe irritation and redness of the eyes. May cause permanent injury if not treated immediately.

**Inhalation:**

Breathing high concentrations of vapors or mists may cause irritation of the nose and throat, in combination with headaches, dizziness, nausea and fatigue.

**Ingestion:**

Ingestion of concentrated product can cause digestive tract irritation and nausea, and signs of central nervous system depression.

**Other Chronic Effects**

Reports have associated prolonged or repeated overexposure to solvents with permanent brain and central nervous system damage (sometimes referred to as "Painter's Syndrome"). Intentional misuse by concentrating and inhaling vapors may be harmful or fatal.

**Carcinogenicity:** This product does not contain any materials known or suspected to be a carcinogen by NTP, IARC, or OSHA.

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First Aid Procedures

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**Skin Contact:**

Wash thoroughly with large amounts of cool water and remove contaminated clothing. Seek medical attention if irritation persists.

**Eye Contact:**

Flush eyes with clean water for 15 minutes. Seek medical attention if irritation persists.

**Inhalation:**

Move victim from exposure to fresh air. Seek medical attention if symptoms persist. If victim is not breathing, begin artificial respiration and seek medical attention immediately.

**Ingestion:**

**Aspiration Hazard!** Do not induce vomiting unless specifically directed by a physician. Seek medical attention immediately.

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Physical Hazards  
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Stability: Stable Conditions to Avoid: None known

Incompatibility

Avoid contact with strong oxidizers such as bleach, chlorine, peroxide sodium or calcium hypochlorite.

Hazardous Decomposition Products:-----

Fumes, smoke, and carbon monoxide

Hazardous Polymerization: Will not occur

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Section 7 Special Precautions and Spill or Leak Procedures  
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Precautions for Handling and Storage

Full or empty drums should be stored in a cool, dry well ventilated area, away from heat sparks or open flame. Keep this and all other chemicals in tightly closed, properly labeled containers.

Spill or Leak Procedures

Remove all possible ignition sources. Absorb with sand or other suitable material and shovel into an appropriate container. Dike large spills to avoid accidental discharge.

Waste Disposal Method:

In accordance with local state and federal regulations

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Section 8 Special Protection and Control Measures  
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Respiratory Protection

Use NIOSH approved air supplied or air purifying respirator for solvent vapors.

Ventilation

Use explosion proof local mechanical exhaust in confined areas. Store concentrated product in closed containers.

Protective Gloves: Rubber

Eye Protection: Safety Glasses / Goggles

Other Protective Clothing or Equipment

Eye wash and safety shower should be present in the work area whenever chemicals are in use.

Special Work and Hygienic Practices

Observe good personal hygiene. Wash thoroughly after using all chemicals. Keep out of reach of children

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Prepared By: Sean G. Nichols

Signature

Title R & D Manager

Date October 4 2008

Sean G Nichols