



Revision Number: 002.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	HYSOL PC20M GAL	IDH number:	500329
Product type:	Acrylics	Item number:	PO0012-B50
		Region:	United States
Company address:	Contact information:		
Henkel Corporation	Telephone: 1.888.9.HENKEL (1.888.943.6535)		
15350 Barranca Parkway	Emergency telephone: 860.571.5100		
Irvine, CA 92618	Internet: www.henkelna.com		

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Liquid	HMIS:	
Color:	Amber	HEALTH:	*2
Odor:	Aromatic	FLAMMABILITY:	3
		PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8

WARNING: FLAMMABLE LIQUID AND VAPOR.
 MAY BE HARMFUL IF INHALED.
 MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.
 ASPIRATION HAZARD IF SWALLOWED.
 MAY CAUSE ALLERGIC SKIN REACTION.
 MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects

Inhalation:	May be harmful if inhaled. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. Continued exposure may cause increased light-headedness, staggering, unconsciousness and even death.
Skin contact:	May cause allergic skin reaction. Once sensitized, an individual may react even to airborne levels below the TLV with the following symptoms: itching and tingling of the earlobes and neck, rash, hives, swelling of the arms and legs or other symptoms common to allergic dermatitis. May cause skin irritation with discomfort or rash. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis. Symptoms may include redness, burning, drying, cracking and skin burns.
Eye contact:	May cause irritation. Symptoms include: Stinging. Tearing. Redness. Swelling.
Ingestion:	Aspirated material can enter lungs and cause damage. May cause an aspiration hazard if swallowed.

Existing conditions aggravated by exposure: Pre-existing skin, respiratory, central nervous system, liver and kidney conditions may be susceptible. Pre-existing skin or lung allergies may increase the chance of developing exaggerated allergic symptoms from exposure to this product.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Resin	Proprietary	30 - 60
Toluene	108-88-3	30 - 60
Methyl ethyl ketone	78-93-3	10 - 30
Solvent naphtha (petroleum), light arom.	64742-95-6	1 - 5

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. For severe exposures, get under safety shower after removing clothing, then get medical attention.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. Aspiration may cause pulmonary edema and pneumonitis. Give a conscious person several glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	11.1 °C (51.98 °F) Closed cup
Autoignition temperature:	354 °C (669.2 °F) Estimated
Flammable/Explosive limits - lower:	1.2 % (Toluene)
Flammable/Explosive limits - upper:	8 % (Toluene)
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a significantly high level, sparks can form that may ignite vapors of flammable liquids. Vapor accumulation can flash or explode if ignited. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. In case of fire, keep containers cool with water spray.
Hazardous combustion products:	Oxides of carbon. Irritating organic vapours.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not allow product to enter sewer or waterways.
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Clean-up methods:

Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Spilled liquid is combustible and can be ignited by heat, flames, sparks, or other sources of ignition. Use noncombustible absorbent material such as sand.

7. HANDLING AND STORAGE

Handling:

During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Make sure containers are properly grounded before use or transfer of material. For operations where eye or face contact could occur, provide safety shower and eyewash fountain.

Storage:

Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Resin	None	None	None	None
Toluene	20 ppm TWA	200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes	None	None
Methyl ethyl ketone	200 ppm TWA 300 ppm STEL	200 ppm (590 mg/m ³) TWA	None	None
Solvent naphtha (petroleum), light arom.	None	None	None	50 ppm

Engineering controls:

Use explosion-proof mechanical ventilation and local exhaust to control contaminants to within their occupational exposure limits during the use of this product.

Respiratory protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection:

Safety goggles or safety glasses with side shields. Wear chemical goggles or a full face shield. Safety showers and eye wash stations should be available.

Skin protection:

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Amber
Odor:	Aromatic
Odor threshold:	Not available
pH:	Not available
Vapor pressure:	Not determined
Boiling point/range:	79.4 °C (174.9 °F) Estimated
Melting point/ range:	Not available
Specific gravity:	0.94
Vapor density:	3.6
Flash point:	11.1 °C (51.98 °F) Closed cup
Flammable/Explosive limits - lower:	1.2 % (Toluene)
Flammable/Explosive limits - upper:	8 % (Toluene)
Autoignition temperature:	354 °C (669.2 °F) Estimated

Evaporation rate: < 0.1
Solubility in water: Insoluble
Partition coefficient (n-octanol/water): Not available
VOC content: 56 %; 526 g/l (calculated)

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.
Hazardous reactions: Will not occur.
Hazardous decomposition products: None under normal use.
Incompatible materials: Oxidizing agents. Alkalis. Copper. Copper alloys.
Conditions to avoid: Keep away from open flames, hot surfaces and sources of ignition. Store away from incompatible materials.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Resin	No	No	No
Toluene	No	No	No
Methyl ethyl ketone	No	No	No
Solvent naphtha (petroleum), light arom.	No	No	No

Hazardous components	Health Effects/Target Organs
Resin	No Target Organs
Toluene	Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant
Methyl ethyl ketone	Irritant, Central nervous system
Solvent naphtha (petroleum), light arom.	Irritant

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.
Hazardous waste number: D001: Ignitable. D018: Benzene. D035: Methyl Ethyl Ketone. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

14. TRANSPORT INFORMATION

The shipping classifications in this sections are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Resin solution
Hazard class or division: 3
Identification number: UN 1866
Packing group: II
DOT Reportable quantity: Toluene, Benzene
Exceptions: ORM-D, Consumer Commodity, (Not more than 5 L)

International Air Transportation (ICAO/IATA)

Proper shipping name: Resin solution
Hazard class or division: 3
Identification number: UN 1866
Packing group: II

Water Transportation (IMO/IMDG)

Proper shipping name: RESIN SOLUTION
Hazard class or division: 3
Identification number: UN 1866
Packing group: II

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12(b) Export Notification: None above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health, Fire
CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Toluene (CAS# 108-88-3). Methyl ethyl ketone (CAS# 78-93-3).
Toluene (CAS# 108-88-3) 1,000 lbs. (454 kg)
Methyl ethyl ketone (CAS# 78-93-3) 5,000 lbs. (2,270 kg)
Benzene (CAS# 71-43-2) 10 lbs. (4.54 kg)

CERCLA Reportable quantity:

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

WHMIS hazard class: B.2, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Dan Shaw, Sr. Regulatory Affairs Specialist For Safety and Regulatory information contact: Regulatory Affairs Rocky Hill, CT 860-571-5204

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