

Material Safety Data Sheet

#437

SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name	HILLYARD CHEMICAL COMPANY	Product Name	KLEEN-UP SOLVENT
Address	302 North Fourth Street St. Joseph, MO 64502	Date Prepared	July 14, 1986
Emergency Telephone No. And Other Information Calls	(816) 233-1321	Prepared by Regulatory Affairs Department	

SECTION II — HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS #'s	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Petroleum distillate (solvent naphtha)	64742-95-6	(this CAS # is not listed)		500 ppm	50-55
Petroleum distillate (high flash)	64742-47-8	(not established: use Stoddard solvent)		37 ppm	50-55
	& 64741-41-9	500 ppm	100 ppm		

SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	312-386°F	Specific Gravity (H ₂ O = 1)	0.819
Vapor Pressure (mm Hg.)	no data	Percent Volatile By Volume (%)	100%
Vapor Density (AIR = 1)	> 1	Evaporation Rate (_____ butyl acetate = 1)	> 1
Solubility in Water	negligible	Appearance and Odor	thin, clear liquid; mineral spirit odor

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	110°F (T.C.C.)	Flammable Limits	LEL about 1%	UEL N/A - mixture
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Extinguishing Media
Carbon dioxide, dry chemical, foam. Use NFPA Class B extinguishers.

Special Fire Fighting Procedures
Treat as any petroleum solvent fire. Avoid spreading liquid and fire by water. Wear full protective equipment including self-contained breathing apparatus.

Unusual Fire and Explosion Hazards
Keep container closed and isolated from heat, electrical equipment, sparks and flame.

Never weld or use cutting torch on or near package.

SECTION V — PHYSICAL HAZARDS

Stability	Unstable ☐	Conditions to Avoid	elevated temperatures
Incompatibility (Materials to Avoid)	<u>Avoid contact with strong acids and strong oxidizing agents.</u>		
Hazardous Decomposition Products Or Byproducts	<u>None under normal conditions. Thermal decomposition may produce organic acids, carbon dioxide and carbon monoxide.</u>		
Hazardous Polymerization	May Occur ☐	Conditions To Avoid	N/A

#437. Kleen-Up Solvent

SECTION VI — HEALTH HAZARD DATA

Route(s) of Entry:

Inhalation?

yes

Skin?

yes

Ingestion?

yes

Health Hazards (1. Acute and 2. Chronic)

1. Eye irritant; can cause skin irritation; can defat skin and lead to dermatitis.

2. Chronic overexposure leads to central nervous system depression and permanent brain and nervous system damage.

Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology Program

Yes ☐
No ☒

I.A.R.C. Monographs

Yes ☐
No ☒

OSHA Yes ☐
No ☒

Signs and Symptoms of Exposure

Overexposure can lead to upper respiratory irritation, narcosis; swallowing can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Medical Conditions

Generally Aggravated by Exposure

Pre-existing eye, skin and respiratory disorders

Emergency and First Aid Procedures

In case of eye contact flush immediately with plenty of water for at least 15 minutes and get medical attention. Skin: Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Wash clothes before reuse. Inhalation: Remove to fresh air. If swallowed do not induce vomiting; GET MEDICAL ATTENTION.

SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled

Remove all sources of ignition (flames, hot surfaces and electric, static or friction sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.

Waste Disposal Method

Dispose of in accordance with state or local regulations. EPA Hazardous Waste Classification: Ignitable Liquid. Incinerate in approved facility; do not incinerate closed container. Keep out of drains, sewers and waterways.

Precautions To Be Taken In Handling And Storing

Keep container closed when not in use. Do not store above 120°F.

Other Precautions

Since empty packages retain product residue, follow label warnings even after package is empty.

SECTION VIII — CONTROL MEASURES

Respiratory Protection (Specify Type) Wear an appropriate, properly fitted respirator (NIOSH or MSHA approved) or ventilate to keep air below TLV.

Ventilation at least 25 CFM per sq.ft. Exhaust per person

Local Exhaust preferred

Mechanical (General) acceptable

Special N/A

Other N/A

Protective Gloves

impervious rubber gloves

Eye Protection

chemical safety glasses

Other Protective Clothing Or Equipment

protective clothing such as uniforms, coveralls (1 gallon or less) for industrial and institutional use only

Work/Hygienic Practices

Wash contaminated clothing before reuse (including shoes).

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