SAFETY DATA SHEET

Cleaning Compound, Solvent, Dry Cleaning/Degreasing Solvent (PD-680 Type II)

Revised: 07/01/2026

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cleaning Compound, Solvent, Dry Cleaning/Degreasing Solvent (PD-680 Type II)
Synonyms: Distillates (petroleum), hydrotreated light
CAS Number: 64742-47-8 (petroleum distillates, hydrotreated light)
Grade/Purity: Type II (A-A-59601E / MIL-PRF-680 Type II)
Product Type: High-Flash Petroleum Degreasing Solvent (Liquid)
Product Use: Industrial, Manufacturing or Laboratory use
Manufacturer/Supplier: Alliance Chemical, 204 South Edmond St, Taylor, Texas 76574
Information: 512-365-6838 | www.alliancechemical.com
Emergency: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

2. HAZARDS IDENTIFICATION

Signal Word: Danger

GHS Pictograms:



Hazard Statements:

H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.

Precautionary Statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapors, mist, or spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves, protective clothing, and eye protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or doctor if you feel unwell.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use appropriate media to extinguish.
P403	Store in a well-ventilated place.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local, regional, national, and international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	% MIN	% MAX	CAS #	EINECS# / ELINCS#	FORMULA	MOLECULAR WEIGHT
Distillates (petroleum)	60	100	64742-47-8 (petroleum distillates, hydrotreated light)		Petroleum hydrocarbon mixture (UVCB)	Varies (mixture) g/mol

4. FIRST-AID MEASURES

Eyes	Rinse cautiously with water for several minutes. Get medical attention if irritation persists.
Skin	Remove contaminated clothing. Wash with soap and water. Get medical attention if irritation develops.
Inhalation	Remove to fresh air and keep comfortable for breathing. Get medical attention if symptoms persist.
Ingestion	ASPIRATION HAZARD - may be fatal if it enters the lungs. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

5. FIRE-FIGHTING MEASURES

Suitable Media	Alcohol-resistant foam, CO2, dry chemical powder. Water spray may be used to cool fire-exposed containers.
Unsuitable Media	Do not use a solid water stream — may scatter and spread fire.
Protective Equipment	Wear self-contained breathing apparatus and full protective clothing.
Combustion Products	May include carbon oxides and other toxic fumes. See Section 10.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental	Prevent leakage or spillage from entering drains, sewers, or waterways.
Containment & Cleanup	Absorb with inert material. Collect in appropriate waste container. Dispose per applicable regulations.

7. HANDLING AND STORAGE

Safe Handling	Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use.
Safe Storage	Store in a cool, dry, well-ventilated area away from heat, sparks, and open flame. Keep away from: Strong oxidizers. Keep containers tightly closed. Ground and bond containers when transferring material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.

Occupational Exposure Limits:

AGENCY	EXPOSURE LIMIT
OSHA PEL	Not established for the mixture (general petroleum distillate guidance ~100-500 ppm TWA where applicable)
ACGIH TLV	Not established for the mixture
NIOSH REL	Not established for the mixture
IDLH	Not established for the mixture

Eyes	Wear chemical safety goggles or face shield.
Skin	Wear chemical-resistant gloves and protective clothing.
Inhalation	Use NIOSH-approved respirator if exposure limits are exceeded or irritation occurs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colorless liquid
Odor	Mild petroleum/solvent odor
Median Particle Size	Not Applicable
Particle Size Distribution	Not Applicable
Particle Shape	Not Applicable
Surface Area	Not Applicable

Dustiness	Not Applicable
Hygroscopicity	Not Applicable
pH	Not applicable (water-insoluble)
Melting Point	No data available
Boiling Point	192-205 C (377.6-401 F), initial
Flash Point	67 C (152.6 F), Tagliabue (ASTM D-56)
Vapor Pressure	Low (high-flash distillate)
Specific Gravity	Not established (hydrotreated light petroleum distillate, typical ~0.78-0.80)
Solubility	Insoluble in water
Molecular Formula	Petroleum hydrocarbon mixture (UVCB)
Molecular Weight	Varies (mixture) g/mol

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Hazardous Reactions	Vapor/air mixtures can form above the flash point in enclosed/heated conditions. Reacts vigorously with strong oxidizers. Static accumulation during transfer - bond and ground.
Conditions to Avoid	Heat, sparks, open flame, and incompatible materials.
Incompatible Materials	Strong oxidizers
Decomposition Products	May produce carbon oxides and other toxic fumes when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: See below for route-specific data.

ROUTE	VALUE
LD50 Oral	Not established for the mixture; practically non-toxic acute oral (typical for this distillate class)
LD50 Dermal	Not established for the mixture
LC50 Inhalation	Not established for the mixture

IARC	Not listed as carcinogen.
NTP	Not listed as carcinogen.
OSHA	Not listed as carcinogen.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Fish LC50: Not established; treat as practically insoluble hydrocarbon; Daphnia EC50: Not established [PubChem]
Persistence	Inherently biodegradable (hydrocarbon distillate)
Bioaccumulation	BCF: Moderate to high potential (log Kow > 3)
Mobility in Soil	Low mobility in soil (Log Kow > 3)

13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with applicable federal, state, and local regulations. Do not dispose of into drains or waterways.

14. TRANSPORT INFORMATION

US DOT	UNNA1993, Combustible liquid, n.o.s. (Petroleum distillates), 3, PG III
IMDG	UNNA1993, Combustible liquid, n.o.s. (Petroleum distillates), 3, PG III
IATA/ICAO	UNNA1993, Combustible liquid, n.o.s. (Petroleum distillates), 3, PG III
Marine Pollutant	No

15. REGULATORY INFORMATION

TSCA: listed (petroleum distillates, hydrotreated light, 64742-47-8). California Proposition 65: WARNING - this product can expose you to chemicals including Benzene, p-Dichlorobenzene, Ethylbenzene, and Naphthalene (known to the State of California to cause cancer) and Benzene and Toluene (known to cause birth defects or other reproductive harm) - trace contaminants of the petroleum distillate. US DOT: NA1993 Combustible liquid, n.o.s. (Petroleum distillates), PG III; NOT regulated for transport in non-bulk packages (<119 US gal/450 L) per 49 CFR 173.150; regulated only in bulk packaging. Not regulated for IMDG/IATA/TDG transport per the source vendor SDS.	
SARA 311/312	See Section 2 for hazard classifications.

16. OTHER INFORMATION

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