

POWERSOLV**1 PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: POWERSOLV
Synonyms: NA-Mixture
Revision Date: 4/20/2020
Chemical Family: Mixture
Chemical Formula: Proprietary
Product Use: Extraction Solvent, Degreaser
Supplier Details: ASTEC CORP
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2 HAZARDS IDENTIFICATION**Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**

Physical, Flammable Liquids, 3
Health, Acute toxicity, 4 Oral
Health, Aspiration hazard, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Skin corrosion/irritation, 3

GHS Label elements, including precautionary statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:**GHS Hazard Statements:**

H226 - Flammable liquid and vapor
H302 - Harmful if swallowed
H305 - May be harmful if swallowed and enters airways
H319 - Causes serious eye irritation
H316 - Causes mild skin irritation

GHS Precautionary Statements:

P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/light/equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 - IF ON SKIN: Wash with soap and water.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
64742-88-7	80-90%	Aliphatic hydrocarbon mixture
5989-27-5	5-20%	Citrus Terpenes

4 FIRST AID MEASURES

- Inhalation:** If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention immediately.
- Skin Contact:** Remove contaminated clothing immediately. Wash with soap and water. Rinse thoroughly.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Remove contact lenses if present and easy to do without injury to the eye and continue rinsing. If irritation persists, get medical attention.
- Ingestion:** For a conscious victim, dilute with fluids (e.g. water, milk, juice, etc.). Never give anything to an unconscious person. Seek immediate medical attention

5 FIRE FIGHTING MEASURES

- Extinguishing Media:** Foam, dry powder, carbon dioxide, water spray or sand.
- Special Hazards:** Do not use heavy water stream.
- Fire Hazards:** Flammable liquid and vapor.
- Explosion Hazard:** May form flammable / explosive vapor-air mixture.
- Reactivity:** None known.
- Firefighter Advise:** Use MSHA / NIOSH approved self-contained breathing apparatus and full protective gear.

6 ACCIDENTAL RELEASE MEASURES

- Emergency Procedures:** Evacuate area.
- Personal Precautions:** Ventilate area and wash spill site after material pickup is complete.
- Protective Equipment:** Safety glasses, chemical resistant gloves, NIOSH approved respirator.
- Environmental Precautions:** Prevent entry to sewers and public waters. Dike if needed. Neutralization may be needed.
- Procedure for Clean up:** Eliminate all ignition sources. Ventilate area. Absorb with inert dry material and place in an appropriate waste disposal container. Pick up excess with inert absorbent material and place into separate waste container.

7 HANDLING AND STORAGE

- Handling Precautions:** Do not ingest. Avoid contact with eyes, skin, or clothing. Keep material out of reach of children.
- Storage Requirements:** Use approved containers only. Keep containers closed and upright. Store in dry area between temperatures of -15 to 0 C (40-90 F). Dispose of empty containers in accordance with legal regulations. Keep away from heat, sparks, and flames.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Mechanical ventilation if vapor concentration becomes high.
- Personal Protective Equip.:** Chemical goggles; Face shield; Gloves (solvent resistant); Protective clothing.
- Exposure Guidelines:** If vapor concentration becomes too high, use NIOSH / MSHA approved respiratory protection.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, water-white liquid with solvent odor.	Solubility:	Not miscible
Odor Threshold:	NE	Percent Volatile:	Appr. 100
Spec Grav./Density:	.808	Flash Point:	115 F
Boiling Point:	310 F	Vapor Density:	> 1
Flammability:	Low -.6%, High -7%	VOC:	No data available
Vapor Pressure:	NE	Auto-Ignition Temp:	NE
pH:	Appr. 7.0 as is		
Evap. Rate:	< 1		

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STABILITY AND REACTIVITY

Reactivity:	None known.
Chemical Stability:	Stable.
Conditions to Avoid:	Incompatible materials.
Materials to Avoid:	Strong oxidizers.
Hazardous Decomposition:	Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.
Hazardous Polymerization:	Will not occur.

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TOXICOLOGICAL INFORMATION

Routes of Exposure: Eyes, Skin, Inhalation (Mist), Ingestion.

Acute Symptoms of Single Overexposure:

Eyes:	Can cause severe eye irritation.
Skin:	May cause skin irritation.
Inhalation:	Can cause irritation if misted.
Ingestion:	May be fatal if swallowed and enters airways, harmful if swallowed. Can cause burning in throat and stomach.

Chronic Symptoms of Single Overexposure:

Eyes:	Can cause severe eye irritation.
Skin:	May cause skin irritation.
Inhalation:	Can cause irritation if misted.
Ingestion:	May be fatal if swallowed and enters airways, harmful if swallowed. Can cause burning in throat and stomach.

Threshold Limit Value: NE **OSHA Threshold Limit Value:** NE **ACGIH Threshold Limit Value:** 200ppm
Carcinogen under NTP program: NE **Carcinogen under IARC program:** NE
Teratogenicity, Mutagenicity, Reproductive Effects: No data available. **Ecotoxicity-Fish Species Data:** No data available.

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ECOLOGICAL INFORMATION

Persistence and Degradability:	Not Readable Biodegradable.
Bioaccumulative Potential:	No Data Available.
Mobility in Soil:	No Data Available.
Other Adverse Effects:	No Data Available.

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DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Must be in accordance with state, municipal, provincial and federal regulations.
Contaminated Packaging: Empty container should be recycled or disposed through an approved waste management facility.

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TRANSPORT INFORMATION

USDOT (Dept of Transportation) Shipping Name: Not regulated in 55-gallon drum packages or less.
USDOT Hazard Class: NA
TDG (Canada): Not regulated when shipped in containers of less than 450 liters.

Component (CAS#) [%] - CODES

Petroleum distillate (64742-88-7) [80-90%] TSCA

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- (5989-27-5) [5-20%] TSCA

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

SDS Legend: NA=Not Applicable NE=Not Established Appr.=Approximately

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