



World Class Cleaning & Hygiene Solutions™

# NATIONAL CHEMICAL LABORATORIES, INC.

## SAFETY DATA SHEET

### Section 1 - Identification

**Product Identifier** ECO-SOLV Non-Chlorinated / Non-CFC's Safety Solvent  
**Other means of identification** 1480  
**Recommended use** Solvent cleaner.  
**Recommended restrictions** For commercial and industrial use only.

#### Manufacturer / Importer / Supplier / Distributor Information

**Company Name** National Chemical Laboratories of PA, Inc.  
**Address** 401 N. 10th Street - Philadelphia, PA 19123  
**Telephone** 1 (215) 922-1200  
**Supplier Email** info@nclonline.com  
**Contact** CHEM-TEL  
**Emergency Phone** 1 (800) 255-3924

### Section 2 - Hazard(s) Identification

	Classification	Category	
Physical Hazards	Flammable Liquids	4	
Health Hazards	Aspiration hazard	1	
	Sensitization, skin	1	
	Skin corrosion/irritation	2	
	Specific target organ toxicity, single exposure	3	narcotic effects
OSHA defined hazards	Not Classified.		

#### Label Elements

##### Hazard Symbol



##### Signal Word

Danger

##### Hazard Statement

Combustible liquid. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness.

#### Precautionary statement

##### Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection.

##### Response

If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

##### Storage

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

##### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Hazard(s) not otherwise classified (HNOC)

None known.

### Section 3 - Composition/Information on ingredients

#### Mixture

##### Hazardous Components

Ingredient Name	CAS #	%
Naptha (petroleum) hydrotreated heavy	64742-48-9	80 - 100

### Section 4 - First-aid Measures

#### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if irritation develops and persists.

#### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

#### Eye contact

Rinse with water. Get medical attention if irritation develops and persists.

#### Ingestion

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low

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so that stomach content doesn't get into the lungs.

## Most Important symptoms or effects, acute and delayed

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Aspiration may cause pulmonary edema and pneumonitis. Irritation of eyes and mucous membranes. Irritation of nose and throat. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

## Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

## Section 5 - Fire-fighting measures

<b>Suitable extinguishing media</b>	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment /instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>General fire hazards</b>	Combustible liquid.
<b>Specific Methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## Section 6 - Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures.</b>	Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch or walk through spilled material. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. The product is immiscible with water and will spread on the water surface. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## Section 7 - Handling and storage

<b>Precautions for safe handling</b>	Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## Section 8 - Exposure control/personal protection

**Occupational exposure limits** No exposure limits noted for ingredient(s).

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Naptha (petroleum) hydrotreated heavy (CAS 64742-48-9)	TWA	400 mg/m <sup>3</sup> , 100 ppm	

### US. ACGIH Threshold Limit Values

Component	Type	Value	Form
Naptha (petroleum) hydrotreated heavy (CAS 64742-48-9)	CARCIN OGEN		URT irr

### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Naptha (petroleum) hydrotreated heavy (CAS 64742-48-9)	TWA	400 mg/m <sup>3</sup> , 100 ppm

**Biological limit values** No biological exposure limits noted for the ingredient(s).

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<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Chemical respirator with organic vapor cartridge and full facepiece.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Wear appropriate chemical resistant clothing.
<b>Respiratory protection</b>	Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## Section 9 - Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Form</b>	Clear, thin liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Citrus.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	Not relevant.
<b>Initial boiling point and boiling range</b>	360°F (182°C) - 412°F (211°C)
<b>Flash point</b>	142°F (61°C) Tag Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	0.7
<b>Flammability limit - upper (%)</b>	5.3
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	< 0.07 kPa @68 °F (20 °C)
<b>Vapor density</b>	5.6 @75 °F (23.89 °C)
<b>Relative density</b>	0.76 ± 0.01
<b>Relative density temperature</b>	75 °F (23.9 °C)
<b>Solubilities (water)</b>	Insoluble.
<b>Partition Coefficient n-octanol/water</b>	Not available
<b>Auto-ignition temperature</b>	Not Available
<b>Decomposition temperature</b>	Not Available
<b>Viscosity</b>	< 10 cSt
<b>Viscosity Temperature</b>	75 °F (23.9 °C)

## Section 10 - Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products are known.

## Section 11 - Toxicological information

<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	May be harmful if swallowed. Swallowing or vomiting of the liquid may result in aspiration into the lungs.
<b>Inhalation</b>	Harmful.
<b>Skin contact</b>	Causes skin irritation. May cause an allergic skin reaction.

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<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Aspiration may cause pulmonary edema and pneumonitis. Irritation of eyes and mucous membranes. Irritation of nose and throat. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
<b>Information on toxicological effects.</b>	
<b>Acute toxicity</b>	May be fatal if swallowed and enters airways. Narcotic effects. May cause an allergic skin reaction.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/ eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory sensitization</b>	This product is not expected to cause respiratory sensitization.
<b>Skin sensitization</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness and dizziness.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.
<b>Further information</b>	No other specific acute or chronic health impact noted.

## Section 12 - Ecological Information

<b>Ecotoxicity</b>	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.				
<b>Component(s)</b>	Naphtha (petroleum) hydrotreated heavy (CAS 64742-48-9)				
<b>Aquatic</b>					
Level	Type	Code	Species	Test Results	
Acute	Fish	LC50	Pimephales promelas	8.2 mg/l, 96 hours	
<b>Persistence and degradability</b>	No data is available on the degradability of this product.				
<b>Bioaccumulative potential</b>	`				
<b>Mobility in soil</b>	No data available.				
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.				

## Section 13 - Disposal considerations

<b>Disposal instructions</b>	Dispose in accordance with applicable federal, state, and local regulations.
<b>Local disposal regulations</b>	Dispose of in accordance with local regulations.
<b>Hazardous waste code</b>	Waste codes should be assigned by the user based on the application for which the product was used.
<b>Waste from residues / unused products</b>	Dispose in accordance with all applicable regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## Section 14 - Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code</b>	This substance / mixture is not intended to be transported in bulk.
<b>General Information</b>	This material is not regulated under 49 CFR §173.150(f)(2) in a container of 119 gallon capacity or less, unless the combustible liquid is a hazardous substance, a hazardous waste, or a marine pollutant.

## Section 15 - Regulatory Information

<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.	
<b>TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)</b>	Not regulated.	

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Components	% by Weight	Comment
Naptha (petroleum) hydrotreated heavy (CAS 64742-48-9)	80 - 100	
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed	
Component	Result	Comment
Naptha (petroleum) hydrotreated heavy (CAS 64742-48-9)		
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not Listed	

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard Categories</b>	Immediate Hazard	Yes
	Delayed Hazard	No
	Fire Hazard	Yes
	Pressure Hazard	No
	Reactivity Hazard	No
<b>SARA 302 Extremely hazardous substance</b>		Not listed.
<b>SARA 311/312 Hazardous chemical</b>		Yes

**SARA 313 (TRI reporting)** Not regulated.

**Other federal regulations**

<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	Not regulated.
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated.
<b>Safe Drinking Water Act (SDWA)</b>	Not regulated.
<b>Food and Drug Administration (FDA)</b>	Not regulated.

**US state regulations**

<b>US.Massachusetts RTK - Substance List</b>	Components Naptha (petroleum) hydrotreated heavy (CAS 64742-48-9)
<b>US.New Jersey Worker and Community Right-to-Know Act</b>	Components Naptha (petroleum) hydrotreated heavy (CAS 64742-48-9)
<b>US.Pennsylvania RTK - Hazardous Substances</b>	Components Naptha (petroleum) hydrotreated heavy (CAS 64742-48-9)
<b>US.Rhode Island RTK</b>	Not regulated.
<b>US - California Proposition 65</b>	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to expose you to any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCs)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	Yes
Unites States Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

\*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**Section 16 - Other information, including date of preparation or last version**

<b>Revision date</b>	6/1/2023
<b>Version #</b>	04
<b>HMIS Hazard Codes</b>	PPE A

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