



**SAFETY DATA SHEET**

Revision Date: 10/18/2013  
 Print Date: 12/11/2013  
 MSDS Number: 100000004966  
 Version: 1.0

SOLVENT 142-66  
 20594

<b>1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</b>
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Nexeo Solutions 3 Waterway Square Place Suite 1000 Woodlands, Tx. 77380	Regulatory Information Number Telephone	1-855-429-2661
	Emergency telephone number	1-855-639-3648
Product name	SOLVENT 142-66	
Product code	20594	
Product Use Description	Solvent., in industrial applications	

<b>2. HAZARDS IDENTIFICATION</b>
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**Emergency Overview**

Appearance: liquid, colourless

CAUTION! COMBUSTIBLE LIQUID AND VAPOR. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY BE HARMFUL IF INHALED. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS.

**Potential Health Effects**

**Exposure routes**

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

**Eye contact**

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

**Skin contact**



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May cause mild skin irritation. Symptoms may include redness and burning of skin.

### Ingestion

Swallowing this material may be harmful. This material (or a component) is an aspiration hazard if swallowed - can enter lungs and cause damage.

### Inhalation

Breathing of vapor or mist is possible. Breathing this material may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.). It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring).

### Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Skin, Liver, Kidney, Central nervous system, Eyes, Upper respiratory tract

### Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), irregular heartbeat

### Target Organs

Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: Liver, Lungs, Kidney, Mucous membranes, Upper respiratory tract, Skin, Central nervous system, Eyes

### Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

### Reproductive hazard



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Based on the available information, risk to the fetus from maternal exposure to this material cannot be assessed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No. / trade secret no.	Concentration
Distillates (petroleum), hydrotreated light	64742-47-8	0 - 100%
Solvent naphtha (petroleum), medium aliph.	64742-88-7	0 - 100%

### 4. FIRST AID MEASURES

#### General Information

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

#### Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

#### Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

#### Inhalation



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If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

**Notes to physician**

**Hazards:** This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting. Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material.

**Treatment:** No information available.

**5. FIREFIGHTING MEASURES**

**Suitable extinguishing media**

Dry chemical, Carbon dioxide (CO2), Water spray

**Hazardous combustion products**

May form:, Aldehydes, carbon dioxide and carbon monoxide, Hydrocarbons

**Precautions for fire-fighting**

If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

**NFPA Flammable and Combustible Liquids Classification**

Combustible Liquid Class IIIA

**6. ACCIDENTAL RELEASE MEASURES**



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### Personal precautions

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Ensure adequate ventilation. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

### Environmental precautions

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

### Methods for cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### Other information

Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.

## 7. HANDLING AND STORAGE

### Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.

### Storage

Store in a cool, dry, ventilated area.



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Guidelines

<b>Distillates (petroleum), hydrotreated light</b>		<b>64742-47-8</b>
OSHA	8-hour time weighted average	500 ppm
OSHA	8-hour time weighted average	2,000 mg/m <sup>3</sup>
ACGIH	8-hour, time-weighted average	200 mg/m <sup>3</sup>
OSHA	8-hour time weighted average	400 ppm
OSHA	8-hour time weighted average	1,600 mg/m <sup>3</sup>
<b>Solvent naphtha (petroleum), medium aliph.</b>		<b>64742-88-7</b>
OSHA	8-hour time weighted average	500 ppm
OSHA	8-hour time weighted average	2,000 mg/m <sup>3</sup>
ACGIH	8-hour, time-weighted average	200 mg/m <sup>3</sup>
OSHA	8-hour time weighted average	400 ppm
OSHA	8-hour time weighted average	1,600 mg/m <sup>3</sup>

#### General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

#### Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.



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### Eye protection

Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist.

### Skin and body protection

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.  
Wear resistant gloves (consult your safety equipment supplier).

### Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	liquid
Colour	colourless, clear
Odour	characteristic, hydrocarbon-like
Boiling point/boiling range	354 - 417.0 °F / 179 - 213.9 °C
Melting point/range	Pour point -13 - 124 °F / -25 - 51 °C
pH	not applicable
Flash point	142 - 151 °F / 61 - 66 °C
Evaporation rate	0.04 n-Butyl Acetate
Lower explosion limit/Upper explosion limit	0.6 %(V) / 6 %(V)



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Vapour pressure	0.500 mmHg @ 68 °F / 20 °C
Relative vapor density	(>)1
Water solubility	slightly soluble
Auto-ignition temperature	455 - 599 °F / 235 - 315 °C
Viscosity, kinematic	1.34 mm <sup>2</sup> /s @ 40 °C

### 10. STABILITY AND REACTIVITY

#### Stability

Stable.

#### Conditions to avoid

Avoid contact with: Heat, flames and sparks.

#### Incompatible products

Avoid contact with: Strong acids, alkalis, Oxidizing agents

#### Hazardous decomposition products

May form: Aldehydes, carbon dioxide and carbon monoxide, Hydrocarbons

#### Hazardous reactions

Product will not undergo hazardous polymerization.

### 11. TOXICOLOGICAL INFORMATION

#### Acute oral toxicity

Acute oral toxicity - Product : no data available

#### Acute oral toxicity - Components

Distillates (petroleum), : LD50: > 5,000 mg/kg Species: rat Method: Fixed dose





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hydrotreated light	procedure
Solvent naphtha (petroleum), medium aliph.	: LD50: 2,000 mg/kg Species: rat Method: Fixed dose procedure

### Acute inhalation toxicity

Acute inhalation toxicity - : no data available  
Product

### Acute inhalation toxicity - Components

Distillates (petroleum), hydrotreated light	: LC50: > 5.28 mg/l Exposure time: 4 h Species: rat Symptoms: decreased activity and muscle tone
Solvent naphtha (petroleum), medium aliph.	: LC50: > 4.3 mg/l Exposure time: 4 h Species: rat

### Acute dermal toxicity

Acute dermal toxicity - : no data available  
Product

### Acute dermal toxicity - Components

Distillates (petroleum), hydrotreated light	: LD50: > 2,000 mg/kg Species: rabbit Method: Fixed dose procedure
Solvent naphtha (petroleum), medium aliph.	: LD50: 2,000 mg/kg Species: rabbit Method: Fixed dose procedure

### Acute toxicity (other routes of administration)

Acute toxicity (other : no data available  
routes of administration)

## 12. ECOLOGICAL INFORMATION



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**Biodegradability**

Biodegradability - Product : no data available

**Biodegradability - Components**

Distillates (petroleum), hydrotreated light : aerobic 61 % Remarks: Readily biodegradable

Solvent naphtha (petroleum), medium aliph. : aerobic 61 % Testing period: 10 d Test substance: Solvent naphtha (petroleum), heavy aromatic

**Bioaccumulation**

Bioaccumulation - Product : no data available

**Ecotoxicity effects**

**Toxicity to fish**

Toxicity to fish - Product : no data available

**Toxicity to fish - Components**

Distillates (petroleum), hydrotreated light : LL50: 25 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)  
Analytical monitoring: yes  
Test Type: static test

Solvent naphtha (petroleum), medium aliph. : LL50: 2.5 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)  
Analytical monitoring: yes  
Test Type: semi-static test

**Toxicity to daphnia and other aquatic invertebrates**



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<p>Toxicity to daphnia and other aquatic invertebrates - Product</p>	: no data available
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### Toxicity to daphnia and other aquatic invertebrates - Components

<p>Distillates (petroleum), hydrotreated light</p>	: EL50: 1.4 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Analytical monitoring: yes Test Type: static test
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<p>Solvent naphtha (petroleum), medium aliph.</p>	: EL50: 1.4 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Analytical monitoring: yes Test Type: Immobilization
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### Toxicity to algae

<p>Toxicity to algae - Product</p>	: no data available
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### Toxicity to algae - Components

<p>Distillates (petroleum), hydrotreated light</p>	: EL50: 13 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (green algae) Analytical monitoring: yes Test Type: static test
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<p>Solvent naphtha (petroleum), medium aliph.</p>	: EL50: 1 - 3 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (green algae) Analytical monitoring: yes Test Type: static test
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### Toxicity to bacteria

Toxicity to bacteria - Product	: no data available
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## 13. DISPOSAL CONSIDERATIONS

### Waste disposal methods

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922.

## 14. TRANSPORT INFORMATION

### REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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#### U.S. DOT - ROAD

UN 1268	DESTILADOS DE PETROLEO, N.E.P.	3		III	
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#### U.S. DOT - RAIL

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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#### U.S. DOT - INLAND WATERWAYS

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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20594**TRANSPORT CANADA - ROAD**

UN	1268	PETROLEUM DISTILLATES, N.O.S.	3	III	
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**TRANSPORT CANADA - RAIL**

UN	1268	PETROLEUM DISTILLATES, N.O.S.	3	II	LIMITED QUANTITY
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**TRANSPORT CANADA - INLAND WATERWAYS**

UN	1268	PETROLEUM DISTILLATES, N.O.S.	3	II	LIMITED QUANTITY
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**INTERNATIONAL MARITIME DANGEROUS GOODS**

UN	1268	PETROLEUM DISTILLATES, N.O.S.	3	II	LIMITED QUANTITY
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

UN	1268	PETROLEUM DISTILLATES, N.O.S.	CBL	III	
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

UN	1268	PETROLEUM DISTILLATES, N.O.S.	CBL	III	
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**MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES**

UN	1268	PETROLEUM DISTILLATES, N.O.S.	CBL	III	
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\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

**15. REGULATORY INFORMATION**



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### California Prop. 65

WARNING! This product contains a chemical known to the State of California to cause cancer.	Benzene Ethylbenzene Naphthalene
WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.	Benzene Toluene

### SARA Hazard Classification

#### SARA 311/312 Classification

Fire Hazard
Acute Health Hazard
Chronic Health Hazard

### New Jersey RTK Label Information

C9-C15 Alkanes	
C9-C15 Cycloalkanes	
Solvent naphtha (petroleum), medium aliph.	64742-88-7
Distillates (petroleum), hydrotreated light	64742-47-8

### Pennsylvania RTK Label Information

Distillates (petroleum), hydrotreated light	64742-47-8
Solvent naphtha (petroleum), medium aliph.	64742-88-7
C9-C15 Cycloalkanes	
C9-C15 Alkanes	

### Notification status

United States TSCA Inventory	y (positive listing)
Canadian Domestic Substances List (DSL)	y (positive listing)

### Reportable quantity-Components

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Naphthalene	91-20-3	100 lbs
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	HMIS	NFPA
Health	2*	2
Flammability	2	2
Physical hazards	0	
Instability		0
Specific Hazard	--	--

**16. OTHER INFORMATION**

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by NEXEO™ Solutions EHS Product Safety Department (1-855-429-2661) [MSDS@nexeosolutions.com](mailto:MSDS@nexeosolutions.com).