

**SAFETY DATA SHEET**

Revision Date: 06/17/2011

Print Date: 8/29/2012

MSDS Number: R0014074

Version: 1.9

SOLVENT 142-66  
20594

**I. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Nexeo Solutions	Regulatory Information Number	1-800-325-3751
PO Box 2458	Telephone	1-800-531-7106
Columbus, OH 43216	Emergency telephone number	1-855-639-3648
Product name	SOLVENT 142-66	
Product code	20594	
Product Use Description	No data	

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance: liquid, clear

CAUTION! COMBUSTIBLE LIQUID AND VAPOR. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. 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**

May cause mild skin irritation. Symptoms may include redness and burning of skin. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

**Ingestion**

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Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

**Inhalation**

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

**Aggravated Medical Condition**

No data

**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.

**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**

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.**

**Concentration**

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ALIPHATIC HYDROCARBONS

64742-88-7

<=100%

**4. FIRST AID MEASURES**

**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**

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:** 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. 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.

**Treatment:** No information available.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Dry chemical, Carbon dioxide (CO2), Water spray

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**Hazardous combustion products**

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**

**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.

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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. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

**Storage**

Store in a cool, dry, ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Contains no substances with occupational exposure limit values.

**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.

**Eye protection**

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

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**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**

<b>Physical state</b>	liquid
<b>Form</b>	no data available
<b>Colour</b>	clear
<b>Odour</b>	hydrocarbon-like
<b>Boiling point/boiling range</b>	355 °F / 179 °C
<b>Melting point/range</b>	no data available
<b>Sublimation point</b>	no data available
<b>pH</b>	no data available
<b>Flash point</b>	152.8 °F / 67.1 °C
<b>Ignition temperature</b>	no data available
<b>Evaporation rate</b>	151 Ethyl Ether
<b>Lower explosion limit/Upper explosion limit</b>	1.0 %(V) / 7.0 %(V)
<b>Particle size</b>	no data available
<b>Vapour pressure</b>	0.130 mmHg @ 68 °F / 20 °C
<b>Relative vapour density</b>	5.48
<b>Density</b>	0.788 g/cm <sup>3</sup> @ 60.00 °F / 15.56 °C
	6.59 lb/gal @ 61 °F / 16 °C
<b>Bulk density</b>	0.88 kg/m <sup>3</sup>
<b>Water solubility</b>	negligible
<b>Solubility(ies)</b>	no data available

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<b>Partition coefficient: n-octanol/water</b>	no data available
<b>log Pow</b>	no data available
<b>Autoignition temperature</b>	(>)600 °F / 316 °C
<b>Viscosity, dynamic</b>	no data available
<b>Viscosity, kinematic</b>	no data available
<b>Solids in Solution</b>	no data available
<b>Decomposition temperature</b>	no data available
<b>Burning number</b>	no data available
<b>Dust explosion constant</b>	no data available
<b>Minimum ignition energy</b>	no data available

**10. STABILITY AND REACTIVITY**

**Stability**

Stable.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible products**

Strong oxidizing agents

**Hazardous decomposition products**

Aldehydes, carbon dioxide and carbon monoxide, Hydrocarbons

**Hazardous reactions**

Product will not undergo hazardous polymerization.

**Thermal decomposition**

No data

**11. TOXICOLOGICAL INFORMATION**

<b>Acute oral toxicity</b>	: LD 50 Rat : > 5,000 mg/kg
<b>Acute inhalation toxicity</b>	: LC 50 Rat: > 5500 ppm; 4 h
<b>Acute dermal toxicity</b>	: LD 50 Rabbit: > 3,000 mg/kg

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**12. ECOLOGICAL INFORMATION**

**Biodegradability**

ALIPHATIC HYDROCARBONS : no data available

**Bioaccumulation**

ALIPHATIC HYDROCARBONS : no data available

**Ecotoxicity effects**

**Toxicity to fish**

ALIPHATIC HYDROCARBONS : no data available

**Toxicity to daphnia and other aquatic invertebrates.**

ALIPHATIC HYDROCARBONS : no data available

**Toxicity to algae**

ALIPHATIC HYDROCARBONS : no data available

**Toxicity to bacteria**

ALIPHATIC HYDROCARBONS : no data available

**Biochemical Oxygen Demand (BOD)**

ALIPHATIC HYDROCARBONS : no data available

**Chemical Oxygen Demand (COD)**

ALIPHATIC HYDROCARBONS : no data available

**Additional ecological information**

ALIPHATIC HYDROCARBONS : 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**

NA 1993	Combustible liquid, n.o.s. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC)	CBL		III	
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**U.S. DOT - RAIL**

NA 1993	Combustible liquid, n.o.s. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC)	CBL		III	
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**U.S. DOT - INLAND WATERWAYS**

NA 1993	Combustible liquid, n.o.s. (SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC)	CBL		III	
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**TRANSPORT CANADA - ROAD**

Not dangerous goods					
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**TRANSPORT CANADA - RAIL**

Not dangerous goods					
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**TRANSPORT CANADA - INLAND WATERWAYS**

Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

Not dangerous goods

**MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES**

Not dangerous goods

\*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**

**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SARA Hazard Classification**

Fire Hazard

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**New Jersey RTK Label Information**

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**Pennsylvania RTK Label Information**

ALIPHATIC HYDROCARBONS

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**Notification status**

- 1 Australia. Industrial Chemical (Notification and Assessment) Act y (positive listing)
- ✓ Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133) y (positive listing)
- China. Inventory of Existing Chemical Substances y (positive listing)
- ✓ US. Toxic Substances Control Act y (positive listing)
- \* EU. EINECS y (positive listing)
- 2 Korea. Toxic Chemical Control Law (TCCL) List y (positive listing)
- 3 Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act y (positive listing)
- 4 New Zealand. Composite List of Single Component Substances to be considered for Transfer y (positive listing)
- 5 New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand y (positive listing)
- N Switzerland. Consolidated Inventory n (Negative listing)
- 6 Japan. Kashin-Hou Law List y (positive listing)
- 7 New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand y (positive listing)
- 8 Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act y (positive listing)

	HMIS	NFPA
Health	1	1
Flammability	2	2
Physical hazards	0	
Instability		0
Specific Hazard	--	--

**16. OTHER INFORMATION**

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The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. 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's Environmental Health and Safety Department (1-800-325-3751).