

# SAFETY DATA SHEET

## Power Fist Solvent

### Section 1. Identification

<b>GHS product identifier</b>	: Power Fist Solvent
<b>Product code</b>	: 5062
<b>Other means of identification</b>	: Mineral spirits, white spirits, petroleum distillates, varsol, paint thinner
<b>Product type</b>	: Liquid.
<b>Identified uses</b>	: Cleaning and degreasing agent.
<b>Supplier/Manufacturer</b>	: Nemco Resources Ltd 25 Midland Street Winnipeg, Manitoba R3E 3J6 PH 204.788.1030   FX 204.788.1593   TF 855.755.6737 EM info@nemco.ca   WEB www.nemco.ca
<b>Emergency telephone number (with hours of operation)</b>	: CANUTEC: +1-613-996-6666 or *666 (cellular) (24/7) Nemco: Monday-Friday 8am-4:30pm 204.788.1030 or Toll free 1-855-755-6737

### Section 2. Hazards identification

<b>OSHA/HCS status</b>	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Classification of the substance or mixture</b>	: FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A GERM CELL MUTAGENICITY - Category 1 CARCINOGENICITY - Category 1B SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS)) - Category 1 ASPIRATION HAZARD - Category 1 AQUATIC HAZARD (ACUTE) - Category 3 AQUATIC HAZARD (LONG-TERM) - Category 2

#### GHS label elements

**Hazard pictograms**



**Signal word**

: Danger

## Section 2. Hazards identification

<b>Hazard statements</b>	<ul style="list-style-type: none"> <li>: H226 - Flammable liquid and vapor.</li> <li>H319 - Causes serious eye irritation.</li> <li>H315 - Causes skin irritation.</li> <li>H340 - May cause genetic defects.</li> <li>H350 - May cause cancer.</li> <li>H304 - May be fatal if swallowed and enters airways.</li> <li>H372 - Causes damage to organs through prolonged or repeated exposure. (central nervous system (CNS))</li> <li>H411 - Toxic to aquatic life with long lasting effects.</li> </ul>
<b><u>Precautionary statements</u></b>	
<b>Prevention</b>	<ul style="list-style-type: none"> <li>: P201 - Obtain special instructions before use.</li> <li>P202 - Do not handle until all safety precautions have been read and understood.</li> <li>P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.</li> <li>P242 - Use only non-sparking tools.</li> <li>P243 - Take precautionary measures against static discharge.</li> <li>P233 - Keep container tightly closed.</li> <li>P273 - Avoid release to the environment.</li> <li>P260 - Do not breathe vapor.</li> <li>P270 - Do not eat, drink or smoke when using this product.</li> <li>P264 - Wash hands thoroughly after handling.</li> </ul>
<b>Response</b>	<ul style="list-style-type: none"> <li>: P391 - Collect spillage.</li> <li>P314 - Get medical attention if you feel unwell.</li> <li>P308 + P313 - IF exposed or concerned: Get medical attention.</li> <li>P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.</li> <li>P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</li> <li>P302 + P352 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.</li> <li>P332 + P313 - If skin irritation occurs: Get medical attention.</li> <li>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P337 + P313 - If eye irritation persists: Get medical attention.</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>: P405 - Store locked up.</li> <li>P403 - Store in a well-ventilated place.</li> <li>P235 - Keep cool.</li> </ul>
<b>Disposal</b>	<ul style="list-style-type: none"> <li>: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> </ul>
<b>Physical hazards not otherwise classified (PHNOC)</b>	<ul style="list-style-type: none"> <li>: None known.</li> </ul>
<b>Health hazards not otherwise classified (HHNOC)</b>	<ul style="list-style-type: none"> <li>: None known.</li> </ul>

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Other means of identification** : Mineral spirits, white spirits, petroleum distillates, varsol, paint thinner

### CAS number/other identifiers

**CAS number** : Not applicable.  
**Product code** : 5062

Ingredient name	%	CAS number
Stoddard solvent	≥90	8052-41-3
Nonane	≥5 - ≤10	111-84-2
1,2,4-Trimethylbenzene	≥5 - ≤10	95-63-6
Naphthalene	≥0.3 - <1	91-20-3
Ethylbenzene	≥0.3 - <1	100-41-4

**Any concentration shown as a range is to protect confidentiality or is due to batch variation.**

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
- Skin contact** : Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Causes skin irritation.  
**Ingestion** : May be fatal if swallowed and enters airways.

#### Over-exposure signs/symptoms

## Section 4. First aid measures

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : Adverse symptoms may include the following:  
nausea or vomiting

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet or water-based fire extinguishers.
- Specific hazards arising from the chemical** : Flammable liquid and vapor. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide
- Special protective actions for fire-fighters** : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### Methods and materials for containment and cleaning up

- Spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.

## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

<b>Occupational exposure limits</b>		<b>TWA (8 hours)</b>			<b>STEL (15 mins)</b>			<b>Ceiling</b>			
<b>Ingredient</b>	<b>List name</b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>Other</b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>Other</b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>Other</b>	<b>Notations</b>
Stoddard solvent	US ACGIH 3/2015	100	525	-	-	-	-	-	-	-	
	AB 4/2009	100	572	-	-	-	-	-	-	-	
	BC 5/2015	-	290	-	-	580	-	-	-	-	
	ON 7/2015	100	525	-	-	-	-	-	-	-	
	QC 1/2014	100	525	-	-	-	-	-	-	-	
	SK	-	-	100 PPM	-	-	125 PPM	-	-	-	
Nonane	US ACGIH 3/2015	200	1050	-	-	-	-	-	-	-	
	AB 4/2009	200	1050	-	-	-	-	-	-	-	
	BC 5/2015	200	-	-	-	-	-	-	-	-	
	ON 7/2015	200	1050	-	-	-	-	-	-	-	
	QC 1/2014	200	1050	-	-	-	-	-	-	-	
	SK	-	-	200 PPM	-	-	250 PPM	-	-	-	
1,2,4-Trimethylbenzene	US ACGIH 3/2015	25	123	-	-	-	-	-	-	-	
	AB 4/2009	25	123	-	-	-	-	-	-	-	
	BC 5/2015	25	-	-	-	-	-	-	-	-	
	ON 7/2015	25	123	-	-	-	-	-	-	-	
	QC 1/2014	25	123	-	-	-	-	-	-	-	
	SK	-	-	25 PPM	-	-	30 PPM	-	-	-	
Xylene	US ACGIH 3/2015	100	434	-	150	651	-	-	-	-	
	AB 4/2009	100	434	-	150	651	-	-	-	-	
	BC 5/2015	100	-	-	150	-	-	-	-	-	
	ON 7/2015	100	434	-	150	651	-	-	-	-	
	QC 1/2014	100	434	-	150	651	-	-	-	-	
	SK	-	-	100 PPM	-	-	150 PPM	-	-	-	
Naphthalene	US ACGIH 3/2015	10	52	-	-	-	-	-	-	-	[1]
	AB 4/2009	10	52	-	15	79	-	-	-	-	[1]
	BC 5/2015	10	-	-	15	-	-	-	-	-	[1]
	ON 7/2015	10	52	-	15	79	-	-	-	-	
	QC 1/2014	10	52	-	15	79	-	-	-	-	
	SK	-	-	10 PPM	-	-	15 PPM	-	-	-	[1]
Ethylbenzene	US ACGIH 3/2015	20	-	-	-	-	-	-	-	-	
	AB 4/2009	100	434	-	125	543	-	-	-	-	
	BC 5/2015	20	-	-	-	-	-	-	-	-	
	ON 7/2015	20	-	-	-	-	-	-	-	-	
	QC 1/2014	100	434	-	125	543	-	-	-	-	
	SK	-	-	100 PPM	-	-	125 PPM	-	-	-	

[1]Absorbed through skin.

## Section 8. Exposure controls/personal protection

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid. [Clear.]

**Color** : Colorless.

**Odor** : Mild petroleum.

**Odor threshold** : Not available.

**pH** : Not available.

**Freezing point** : -76°C

**Boiling point** : 159 to 195°C (318.2 to 383°F)

**Flash point** : Closed cup: 43°C [Pensky-Martens.]

**Evaporation rate** : 0.1 (Butyl acetate = 1)

**Flammability (solid, gas)** : Not available.

**Lower and upper explosive (flammable) limits** : Lower: 0.8%  
Upper: 5.6%

## Section 9. Physical and chemical properties

<b>Vapor pressure</b>	: 0.29 kPa (2.14 mm Hg) [room temperature] 0.9 kPa (6.75 mm Hg) [50°C]
<b>Vapor density</b>	: 4.9 [Air = 1]
<b>Relative density</b>	: 0.788
<b>Solubility in water</b>	: Negligible in water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: 260°C (500°F)
<b>Decomposition temperature</b>	: Not available.
<b>Viscosity</b>	: Kinematic: 0.0121 cm <sup>2</sup> /s (1.21 cSt) (40°C)

## Section 10. Stability and reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
<b>Incompatible materials</b>	: Reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Nonane	LC50 Inhalation Gas.	Rat	3200 ppm	4 hours
1,2,4-Trimethylbenzene	LC50 Inhalation Vapor	Rat	17000 mg/m <sup>3</sup>	4 hours
	LC50 Inhalation Vapor	Rat	18000 mg/m <sup>3</sup>	4 hours
Naphthalene	LD50 Oral	Rat	5 g/kg	-
	LD50 Dermal	Rabbit	>20 g/kg	-
Ethylbenzene	LD50 Oral	Rat	490 mg/kg	-
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Stoddard solvent	Eyes - Mild irritant	Human	-	100 ppm	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Nonane	Skin - Mild irritant	Pig	-	24 hours 250 µL	-
	Skin - Moderate irritant	Rat	-	96 hours 300 µL	-
Naphthalene	Skin - Mild irritant	Rabbit	-	495 mg	-
Ethylbenzene	Eyes - Severe irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 mg	-

#### Sensitization



## Section 11. Toxicological information

There is no data available.

### Mutagenicity

There is no data available.

### Carcinogenicity

#### Classification

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Naphthalene	-	2B	Reasonably anticipated to be a human carcinogen.	A3	-	-
Ethylbenzene	-	2B	-	A3	-	-

### Reproductive toxicity

There is no data available.

### Teratogenicity

There is no data available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Nonane	Category 3	Not applicable.	Narcotic effects
1,2,4-Trimethylbenzene	Category 3	Not applicable.	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Stoddard solvent	Category 1	Not determined	central nervous system (CNS)
Ethylbenzene	Category 2	Not determined	hearing organs

### Aspiration hazard

Name	Result
Stoddard solvent	ASPIRATION HAZARD - Category 1
Nonane	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Causes skin irritation.  
**Ingestion** : May be fatal if swallowed and enters airways.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness  
**Ingestion** : Adverse symptoms may include the following:  
 nausea or vomiting

## Section 11. Toxicological information

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

#### Potential chronic health effects

**General** : Causes damage to organs through prolonged or repeated exposure.

**Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : May cause genetic defects.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	111900 mg/kg
Inhalation (gases)	71616 ppm
Inhalation (vapors)	195.7 mg/L

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
1,2,4-Trimethylbenzene	Acute LC50 4910 µg/L Marine water	Crustaceans - Elasmopus pecteniscrus - Adult	48 hours
Naphthalene	Acute LC50 7720 µg/L Fresh water	Fish - Pimephales promelas	96 hours
	Acute EC50 1600 µg/L Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 2350 µg/L Marine water	Crustaceans - Palaemonetes pugio	48 hours
Ethylbenzene	Acute LC50 213 µg/L Fresh water	Fish - Melanotaenia fluviatilis - Larvae	96 hours
	Acute EC50 13300 µg/L Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute LC50 13900 µg/L Fresh water	Daphnia - Daphnia magna - Neonate	48 hours

### Persistence and degradability

There is no data available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Stoddard solvent	3.16 to 7.06	-	high
Nonane	5.65	105	low
1,2,4-Trimethylbenzene	3.63	243	low
Naphthalene	3.4	36.5 to 168	low
Ethylbenzene	3.6	-	low

### Mobility in soil

## Section 12. Ecological information






**Soil/water partition coefficient (K<sub>oc</sub>)** : There is no data available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	<b>TDG</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN number</b>	UN1268	UN1268	UN1268
<b>UN proper shipping name</b>	PETROLEUM DISTILLATES, N.O.S.. Marine pollutant (Nonane, 1,2, 4-Trimethylbenzene)	PETROLEUM DISTILLATES, N.O.S.. Marine pollutant (Nonane, 1,2, 4-Trimethylbenzene)	PETROLEUM DISTILLATES, N.O.S.
<b>Transport hazard class(es)</b>	3  	3  	3 
<b>Packing group</b>	III	III	III
<b>Environmental hazards</b>	Yes.	Yes.	No.
<b>Additional information</b>	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3), 2.7 (Marine pollutant mark).  The marine pollutant mark is not required when transported by road or rail.	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.  <b>Emergency schedules (EmS)</b> F-E, S-E	The environmentally hazardous substance mark may appear if required by other transportation regulations.

**AERG** : 128

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

### Canadian lists

- Canadian NPRI** : The following components are listed: Stoddard solvent; Nonane; 1,2,4-Trimethylbenzene  
**CEPA Toxic substances** : The following components are listed: Naphthalene  
**Canada inventory** : All components are listed or exempted.

### International lists

#### National inventory

- Australia** : All components are listed or exempted.  
**China** : All components are listed or exempted.  
**Europe** : All components are listed or exempted.  
**Japan** : **Japan inventory (ENCS)**: Not determined.  
**Japan inventory (ISHL)**: Not determined.  
**Malaysia** : Not determined.  
**New Zealand** : All components are listed or exempted.  
**Philippines** : All components are listed or exempted.  
**Republic of Korea** : All components are listed or exempted.  
**Taiwan** : All components are listed or exempted.

## Section 16. Other information

### History

- Date of issue** : 05/30/2016  
**Version** : 1  
**Prepared by** : KMK Regulatory Services Inc. (www.kmkregservices.com)

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