

# Safety Data Sheet

## STD/ STD05

Revision Date: 6/2/15

Version 1.3

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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : STD/ STD05  
**Product Use Description** : Stodard Solvent

#### Manufacturer or supplier's details

##### Supplier Details

Manufacturer Name	The Berkebile Oil Company
Address	1216 Red Brant Road Somerset, PA 15501, PO BOX 715
Phone	814-443-1656
Email	info@berkebileoil.com
Fax	814-443-2873
Chemtrec Emergency Tel #	800-424-9300

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 4  
Skin irritation : Category 2  
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)  
Aspiration hazard : Category 1

#### GHS Label element

Hazard pictograms : 

Signal word : Danger

Hazard statements : H227 Combustible liquid.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.

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Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.  
P331 Do NOT induce vomiting.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
**Storage:**  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Potential Health Effects

Primary Routes of Entry : Ingestion  
Inhalation  
Skin contact  
Eye Contact

Aggravated Medical Condition : Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:  
Skin  
Central nervous system  
Liver  
Kidney  
Respiratory disorders

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Symptoms of Overexposure : Irritation  
Dermatitis  
Nausea  
Vomiting  
Diarrhoea  
Breathing difficulties

### Carcinogenicity:

#### IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

#### OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Emergency Overview

Appearance	liquid
Color	transparent, clear
Odor	characteristic, hydrocarbon-like, solvent-like
Hazard Summary	No information available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

CAS-No.	Chemical Name	Concentration (%)
64742-47-8	Distillates (pet), hydrotreated light	0 - 100
64742-88-7	Solvent naphtha (pet), medium aliph.	0 - 100

**Synonyms** : Petroleum hydrocarbon solvent, Mineral Spirits, Standard Solvent, Hydrotreated light distillate, Medium Aliphatic Solvent Naphtha,

**Special Notes:** : Functionally equivalent petroleum streams may be found in this preparation at varying concentrations.

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### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.
- If inhaled : Call a physician or poison control centre immediately.  
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Irritation  
Dermatitis  
Nausea  
Vomiting  
Diarrhoea  
Breathing difficulties

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### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Foam  
Dry chemical

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- Water spray
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Smoke  
Fume  
Unburned hydrocarbons
- Specific extinguishing methods : Use a water spray to cool fully closed containers.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

### **NFPA Flammable and Combustible Liquids Classification:**

Combustible Liquid Class IIIA

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and 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).  
Keep in suitable, closed containers for disposal.

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### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Prevent unauthorized access.  
No smoking.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
64742-47-8	Distillates (pet), hydro-treated light	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup> (as total hydrocarbon vapor)	ACGIH
		TWA	400 ppm 1,600 mg/m <sup>3</sup>	OSHA P0
64742-88-7	Solvent naphtha (pet), medium aliph.	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup> (as total hydrocarbon vapor)	ACGIH
		TWA	400 ppm	OSHA P0
			1600 mg/m <sup>3</sup>	

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### Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.  
In the case of vapor formation use a respirator with an approved filter.
- Hand protection  
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles
- Skin and body protection : impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : Avoid contact with skin, eyes and clothing.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and immediately after handling the product.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : transparent, clear
- Odor : characteristic, hydrocarbon-like, solvent-like
- Odor Threshold : No data available
- pH : not applicable
- Freezing Point (Melting point/range) : < -70 °C (< -94 °F)
- Boiling Point (Boiling point/boiling range) : 179 - 213.9 °C (354 - 417.0 °F)
- Flash point : 61 - 66 °C (142 - 151 °F)
- Evaporation rate : 0.04

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Flammability (solid, gas)	n-Butyl Acetate : No data available
Burning rate	: No data available
Upper explosion limit	: 6.0 - 7.0 %(V)
Lower explosion limit	: 0.7 - 0.8 %(V)
Vapour pressure	: 0.32 - 0.5 mmHg @ 20 °C (68 °F)
Relative vapour density	: > 1AIR=1
Relative density	: 0.78 - 0.81Reference substance: (water = 1)
Density	: 0.780 - 0.803 g/cm <sup>3</sup> @ 15 - 15.5 °C (59 - 59.9 °F)
Bulk density	: No data available
Solubility(ies)	
Water solubility	: negligible
Solubility in other sol- vents	: No data available
Partition coefficient: n- octanol/water	: No data available
Auto-ignition temperature	: 233 - 315 °C
Thermal decomposition	: No data available
Viscosity	
Viscosity, kinematic	: 1.8 mm <sup>2</sup> /s @ 20 °C (68 °F)

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Vapours may form explosive mixture with air.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition



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sources.  
Extremes of temperature and direct sunlight.

Incompatible materials : Strong oxidizing agents  
Strong acids  
strong alkalis  
Chlorine  
Oxygen

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### **Components:**

##### **64742-47-8:**

Acute oral toxicity : LD50 (rat): > 5,000 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (rabbit, male and female): > 2,000 mg/kg  
Method: Fixed dose procedure  
GLP: yes

##### **64742-88-7:**

Acute oral toxicity : LD50 (rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (rat, male and female): > 5.28 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Fixed concentration procedure  
GLP: yes  
Assessment: The component/mixture is low toxic after short term inhalation.  
Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 (rabbit, male and female): > 2,000 mg/kg  
GLP: yes  
Assessment: The component/mixture is low toxic after single contact with skin.  
Remarks: Information given is based on data obtained from similar substances.

#### Skin corrosion/irritation

##### **Product:**

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Remarks: Irritating to skin.

### **Components:**

#### **64742-47-8:**

Species: rabbit  
Exposure time: 24 h  
Method: In vivo  
Result: Irritating to skin.

#### **64742-88-7:**

Species: rabbit  
Exposure time: 24 h  
Method: In vivo  
Result: Irritating to skin.  
GLP: yes

### **Serious eye damage/eye irritation**

#### **Product:**

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

### **Components:**

#### **64742-47-8:**

Species: rabbit  
Result: No eye irritation  
Exposure time: 1 s  
Method: EPA OTS 798.4500  
GLP: yes  
Remarks: No eye irritation

#### **64742-88-7:**

Species: rabbit  
Result: Irritating to eyes.

### **Respiratory or skin sensitisation**

#### **Components:**

#### **64742-47-8:**

Test Type: Buehler Test  
Exposure routes: Dermal  
Species: guinea pig  
Method: In vivo  
Result: Does not cause skin sensitisation.  
GLP: yes

#### **64742-88-7:**

Test Type: Buehler Test  
Species: guinea pig

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Method: In vivo  
Result: Did not cause sensitisation on laboratory animals.  
GLP: yes  
Remarks: Based on a similar product formulation.

### Germ cell mutagenicity

#### **Components:**

##### **64742-47-8:**

- Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay  
Test species: Mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Result: negative  
GLP: yes
- : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative  
GLP: No data available
- : Test Type: Sister chromatid exchange assay in mammalian cells  
Test species: Chinese hamster ovary (CHO)  
Metabolic activation: with and without metabolic activation  
Result: negative  
GLP: yes
- Genotoxicity in vivo : Test Type: Chromosome aberration assay in vivo  
Test species: rat (male and female)  
Cell type: Bone marrow  
Application Route: Intraperitoneal  
Exposure time: 6 - 48 hrs  
Dose: 0, 300, 1000, 3000 mg/kg bw  
Result: negative  
GLP: yes
- Germ cell mutagenicity-Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
- ##### **64742-88-7:**
- Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay  
Test species: Mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Result: negative  
GLP: yes  
Remarks: Information given is based on data obtained

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from similar substances.

Genotoxicity in vivo

: Test Type: Dominant lethal assay  
Test species: mouse (male)  
Application Route: Intraperitoneal  
Dose: 1 ml/kg  
Result: negative

Test Type: Dominant lethal assay  
Test species: mouse (male)  
Application Route: Inhalation  
Exposure time: 6 h/d, 5 d/wk for 8 wks  
Dose: 0, 100, 400 ppm  
Result: negative

Test Type: DNA damage and/or repair  
Test species: mouse (male)  
Application Route: Intraperitoneal  
Exposure time: 20 -22 h  
Dose: 0, 400, 2000, 4000 mg/kg  
Result: positive  
GLP: yes

Germ cell mutagenicity-  
Assessment

: Mutagenicity classification not possible from current  
data

### **Carcinogenicity**

#### **Components:**

##### **64742-47-8:**

Species: mouse, (male and female)  
Application Route: Dermal  
Exposure time: 105 wks  
Dose: 0, 25 mg/application  
Frequency of Treatment: 3 days/week  
LOAEL: 25

Result: Limited evidence of carcinogenic effects  
Symptoms: Local irritation, Dermal tumours

Carcinogenicity - As-  
sessment

: Carcinogenicity classification not possible from current  
data.

##### **64742-88-7:**

Species: mouse, (male and female)  
Application Route: Dermal  
Exposure time: 105 wks  
Dose: 0, 25 mg  
Frequency of Treatment: 3 times/wk  
NOAEL: < 25 mg/application

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Result: evidence of carcinogenic activity  
Symptoms: Local irritation, Dermal tumours

Carcinogenicity - Assessment : Carcinogenicity classification not possible from current data.

### Reproductive toxicity

#### **Components:**

##### **64742-47-8:**

Effects on fertility : Test Type: Fertility  
Species: rat, male and female  
Application Route: Oral  
Dose: 0, 375, 750, 1500 mg/kg/d  
General Toxicity - Parent: NOAEL: 750 mg/kg body weight  
General Toxicity F1: NOAEL: 750 mg/kg body weight  
Fertility: NOAEL:  $\geq$  1,500 mg/kg body weight  
Symptoms: Reduced maternal body weight gain. Reduced offspring weight gain.  
Result: No reproductive effects.

Effects on foetal development : Species: rat  
Application Route: Oral  
Dose: 0, 500, 1000, 1500, 2000mg/kg  
Duration of Single Treatment: 10 d  
General Toxicity Maternal: NOAEL: 500 mg/kg body weight  
Teratogenicity: NOAEL: 2,000 mg/kg body weight  
Developmental Toxicity: NOAEL: 1,000 mg/kg body weight  
Symptoms: Reduced body weight  
Method: OECD Test Guideline 414  
Result: Developmental toxicity occurred at maternal toxicity dose levels, No teratogenic effects.

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility.  
Embryotoxicity classification not possible from current data.

##### **64742-88-7:**

Effects on fertility : Test Type: Fertility  
Species: rat, female  
Application Route: Oral  
Dose: 0, 325, 750, 1500 mg/kg/day  
Duration of Single Treatment: 147 d  
General Toxicity - Parent: NOAEL: 750 mg/kg body weight  
General Toxicity F1: NOAEL: 750 mg/kg body weight

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Fertility: NOAEL:  $\geq$  1,500 mg/kg body weight  
Symptoms: Reduced maternal body weight gain. Reduced offspring weight gain.  
Result: Animal testing did not show any effects on fertility., Embryotoxic effects and adverse effects on the offspring were detected.  
GLP: yes

Test Type: Screening test  
Species: rat, male and female  
Application Route: Dermal  
Dose: 0, 165, 330, 494 mg/kg/day  
General Toxicity F1: NOAEL:  $\geq$  494 mg/kg body weight  
Fertility: NOAEL:  $\geq$  494 mg/kg body weight  
Method: OECD Test Guideline 421  
Remarks: Information given is based on data obtained from similar substances.

Effects on foetal development

: Species: rat  
Application Route: Oral  
Dose: 0, 500, 1000, 1500, 2000 milligram per kilogram  
Duration of Single Treatment: 10 d  
General Toxicity Maternal: NOAEL: 500 mg/kg body weight  
Teratogenicity: NOAEL: 2,000 mg/kg body weight  
Developmental Toxicity: NOAEL: 1,000 mg/kg body weight  
Symptoms: Reduced body weight  
Method: OECD Test Guideline 414  
Result: Developmental toxicity occurred at maternal toxicity dose levels, No teratogenic effects.

Species: rat  
Application Route: Inhalation  
Dose: 0, 106, 364 ppm  
Duration of Single Treatment: 10 d  
Frequency of Treatment: 6 hr/day  
General Toxicity Maternal: NOAEC:  $\geq$  364 ppm  
Teratogenicity: NOAEC:  $\geq$  364 ppm  
Developmental Toxicity: NOAEC:  $\geq$  364 ppm  
Method: OECD Test Guideline 414  
Result: No teratogenic effects.  
Remarks: Information given is based on data obtained from similar substances.

Reproductive toxicity - Assessment

: Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.

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### STOT - single exposure

**Product:**No data available

**Components:**

64742-47-8:

Exposure routes:	Target Organs:	Assessment:	Remarks:
Inhalation	Central nervous system	May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.	

64742-88-7:

Exposure routes:	Target Organs:	Assessment:	Remarks:
Inhalation	Central nervous system	May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.	

### STOT - repeated exposure

**Product:**No data available

**Components:**

**64742-47-8:** No data available

**64742-88-7:** No data available

### Repeated dose toxicity

**Components:**

**64742-47-8:**

Species: rat, male

LOAEL: 750 mg/kg

Application Route: Oral

Exposure time: 70 - 90 days

Number of exposures: daily

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Dose: 0, 750, 1500, 3000 mg/kg/d  
GLP: yes  
Symptoms: weight loss, Liver effects, Stomach/intestinal disorders

Species: rat, female  
NOAEL: 750 mg/kg  
Application Route: Oral  
Exposure time: 21 wks  
Number of exposures: daily  
Dose: 0, 325, 750, 1500 mg/kg/d  
GLP: yes  
Symptoms: weight loss, Liver effects, Stomach/intestinal disorders

Species: mouse, male and female  
NOAEL: >= 1000  
Application Route: inhalation (vapour)  
Exposure time: 90 d  
Number of exposures: 24 h/d, daily  
Dose: 0, 500, 1000 mg/m<sup>3</sup>  
GLP: No data available

Species: rat, male and female  
NOAEL: >=0,5  
Application Route: Dermal  
Exposure time: 28 d  
Number of exposures: 6 h/d, 5 d/wk  
Dose: 0, 0.01, 0.05, 0.5 ml/kg bw/d  
Method: OECD Test Guideline 410  
GLP: yes  
Symptoms: Local irritation

Repeated dose toxicity - : Causes skin irritation.  
Assessment

### **64742-88-7:**

Species: rat, male  
LOAEL: 750 mg/kg  
Application Route: Oral  
Exposure time: 70 - 90 d  
Number of exposures: Daily  
Dose: 0, 750, 1500, 3000 mg/kg/day  
GLP: yes  
Symptoms: weight loss, Local irritation

Species: rat, female  
NOAEL: 750 mg/kg  
Application Route: Oral  
Exposure time: 21 wks  
Number of exposures: Daily  
Dose: 0, 325, 750, 1500 mg/kg/day



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GLP: yes  
Symptoms: weight loss, Local irritation

Species: rat, male and female  
NOAEL:  $\geq 24$   
Application Route: Inhalation  
Test atmosphere: vapour  
Exposure time: 4 wks  
Number of exposures: 6 h/d, 5 d/wk  
Dose: 0, 24 mg/m<sup>3</sup>  
GLP: yes  
Remarks: Information given is based on data obtained from similar substances.

Species: rat, male and female  
NOAEL:  $\geq 0.5$  mg/l  
Application Route: Dermal  
Exposure time: 4 wks  
Number of exposures: 6 h/d, 5 d/wk  
Dose: 0, 1.01, 0.05, 0.5 ml/kg/day  
Method: OECD Test Guideline 410  
GLP: yes  
Remarks: Information given is based on data obtained from similar substances.

Repeated dose toxicity - : Causes skin irritation.  
Assessment

### Aspiration toxicity

#### **Components:**

##### **64742-47-8:**

May be fatal if swallowed and enters airways.

##### **64742-88-7:**

May be fatal if swallowed and enters airways.

### Experience with human exposure

#### **Product:**

General Informa- Prolonged skin contact may cause skin irritation.  
tion:

### Further information

#### **Product:**

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

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### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### **Components:**

##### **64742-47-8:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 25 mg/l  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 1.4 mg/l  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae : EL50 (Pseudokirchneriella subcapitata (green algae)): 1 - 3 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes

##### **64742-88-7:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: yes  
Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 1.4 mg/l  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae : EL50 (Pseudokirchneriella subcapitata): 1 mg/l

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End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: yes  
Remarks: Information given is based on data obtained from similar substances.

### Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

### Persistence and degradability

#### **Components:**

##### **64742-47-8:**

Biodegradability : aerobic  
Concentration: 101 mg/l  
Biodegradation: 61 %  
Exposure time: 28 d  
GLP: yes  
Remarks: Readily biodegradable

##### **64742-88-7:**

Biodegradability : aerobic  
Concentration: 101 mg/l  
Biodegradation: 61 %  
Testing period: 10 d  
Exposure time: 28 d  
Lag phase: 5 d  
Test substance: Solvent naphtha (petroleum), heavy aromatic  
GLP: yes

### Bioaccumulative potential

No data available

### Mobility in soil

#### **Components:**

##### **64742-88-7:**

Stability in soil : Remarks: Adsorbs on soil.

### Other adverse effects

No data available

#### **Product:**

Regulation 40 CFR Protection of Environment; Part 82 Protection

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Remarks	of Stratospheric Ozone - CAA Section 602 Class I Substances This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information	: No data available

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues	: 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.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

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### SECTION 14. TRANSPORT INFORMATION

**IATA (International Air Transport Association):** Not regulated as a dangerous good

**IMDG-Code:** Not regulated as a dangerous good

**DOT (Department of Transportation):** UN1268, PETROLEUM DISTILLATES, N.O.S., CBL, III

<b>Special Notes:</b>	: The flash point for this material is greater than 100 F (38 C). Therefore, in accordance with 49 CFR 173.150(f) non-bulk containers (<450L or <119 gallon capacity) of this material may be shipped as non-regulated when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.
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### SECTION 15. REGULATORY INFORMATION

**OSHA Hazards** : Combustible Liquid, Toxic by inhalation., Harmful by ingestion., Harmful by skin absorption., Moderate skin irritant, Aspiration hazard

**WHMIS Classification** : B3: Combustible Liquid  
D2B: Toxic Material Causing Other Toxic Effects

#### EPCRA - Emergency Planning and Community Right-to-Know Act

##### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Naphthalene	91-20-3	100	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Fire Hazard  
Acute Health Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : 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.

##### Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

100-41-4	Ethylbenzene	0.001 %
91-20-3	Naphthalene	0.001 %
108-88-3	Toluene	0.0001 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

100-41-4	Ethylbenzene	0.001 %
108-88-3	Toluene	0.0001 %

##### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

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100-41-4	Ethylbenzene	0.001 %
91-20-3	Naphthalene	0.001 %
108-88-3	Toluene	0.0001 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

100-41-4	Ethylbenzene	0.001 %
91-20-3	Naphthalene	0.001 %
108-88-3	Toluene	0.0001 %

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

### US State Regulations

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

64742-47-8	Distillates (pet), hydrotreated light	0 - 100 %
64742-88-7	Solvent naphtha (pet), medium aliph.	0 - 100 %

#### New Jersey Right To Know

64742-47-8	Distillates (pet), hydrotreated light	0 - 100 %
64742-88-7	Solvent naphtha (pet), medium aliph.	0 - 100 %

#### California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

100-41-4	Ethylbenzene
91-20-3	Naphthalene

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

108-88-3	Toluene
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### The components of this product are reported in the following inventories:

<b>Switzerland. New notified substances and declared preparations</b>	:	y (positive listing) (The formulation contains substances listed on the Swiss Inventory)
<b>United States TSCA Inventory</b>	:	y (positive listing) (On TSCA Inventory)
<b>Canadian Domestic Substances List (DSL)</b>	:	y (positive listing) (All components of this product are on the Canadian DSL.)

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<b>Australia Inventory of Chemical Substances (AICS)</b>	:	y (positive listing) (On the inventory, or in compliance with the inventory)
<b>Japan. ENCS - Existing and New Chemical Substances Inventory</b>	:	n (Negative listing) (Not in compliance with the inventory)
<b>Japan. ISHL - Inventory of Chemical Substances (METI)</b>	:	n (Negative listing) (Not in compliance with the inventory)
<b>Korea. Korean Existing Chemicals Inventory (KECI)</b>	:	y (positive listing) (On the inventory, or in compliance with the inventory)
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>	:	y (positive listing) (On the inventory, or in compliance with the inventory)
<b>China. Inventory of Existing Chemical Substances in China (IECSC)</b>	:	y (positive listing) (On the inventory, or in compliance with the inventory)

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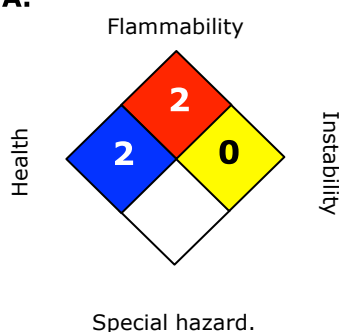
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### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA:



##### HMIS III:

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
 2 = Moderate, 3 = High  
 4 =Extreme, \* = Chronic

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 Zach Sherbine

**Legacy MSDS:** 100000003584

#### Material number:

16062033, 504685, 547181, 547078, 102908, 689350, 579410, 86044, 554168, 87270, 103638, 53769, 70882, 53847, 53779, 732913, 705005, 16044171, 102360, 662188, 695035, 694956, 53802, 16048211, 715890, 622831, 20598, 53282, 594821, 70889, 86526, 657860, 508484, 508223, 554298, 554296, 554191, 554167, 554131, 554106, 53856, 103641, 53556, 53224, 16046724, 16036244, 16033332, 127746, 101826, 20597, 20596, 85982, 70879, 102995, 102695, 504573, 754617, 20594

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Sub-	NIOSH	National Institute for Occupational



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	stances List		Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50			Lethal Concentration 50%