

## Safety Data Sheet One Stroke Screenwash

Version 0.0

Revision Date: 10/22/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : One Stroke Screenwash

**Recommended use of the chemical and restrictions on use**

Recommended use : Solvent.

**Manufacturer or supplier's details**

**Company** : Nexeo Solutions, LLC.  
**Address** : 3 Waterway Square Place Suite 1000  
The Woodlands, TX. 77380  
United States of America

**Emergency telephone number:**

Health North America: 1-855-NEXEO4U (1-855-639-3648)

Health International: 1-855-NEXEO4U (1-855-639-3648)

Transport North America: CHEMTREC 800.424.9300

**Additional Information:**

: Responsible Party: Product Safety Group  
E-Mail: msds@nexeosolutions.com  
SDS Requests: 1-855-429-2661  
SDS Requests Fax: 1-281-500-2370  
Website: www.nexeosolutions.com

### SECTION 2. HAZARDS IDENTIFICATION

**GHS Classification**

Flammable liquids : Category 4

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

Aspiration hazard : Category 1

**GHS Label element**

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Hazard pictograms :



Signal word :

Danger

Hazard statements :

H227 Combustible liquid.  
H302 + H332 Harmful if swallowed or if inhaled  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

Precautionary statements :

**Prevention:**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
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 person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P331 Do NOT induce vomiting.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: 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 to extinguish.

**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.

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#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

#### Potential Health Effects

##### Carcinogenicity:

###### IARC

Group 2B: Possibly carcinogenic to humans

91-20-3

\*\*Naphthalene

###### 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

Reasonably anticipated to be a human carcinogen

91-20-3

\*\*Naphthalene

#### Emergency Overview

Appearance	liquid
Colour	Clear, Colorless
Odour	Characteristic
Hazard Summary	No information available.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

CAS-No.	Chemical Name	Concentration (%)
64742-48-9 / 64742-47-8	Naphtha (pet), hydrotreated heavy AND/OR Distillates (pet), hydrotreated light	30 - 50
111-76-2	2-Butoxy ethanol	30 - 50
64742-94-5	Solvent naphtha (petroleum), heavy arom.	20 - 30
98-06-6	**Butylbenzene, tert-	5 - 10
527-53-7	**Benzene, 1,2,3,5-tetramethyl-	1 - 5
95-93-2	**Benzene, 1,2,4,5-tetramethyl-	1 - 5
105-05-5	**1,4-Diethylbenzene	1 - 5

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488-23-3	**1,2,3,4-Tetramethylbenzene	1 - 5
91-20-3	**Naphthalene	1 - 5
526-73-8	**Benzene, 1,2,5-trimethyl-	1 - 5
1074-43-7	**3-Propyltoluene	1 - 5
95-63-6	**1,2,4-trimethylbenzene	1 - 5

**Special Notes:** : \*\* Other substances in the product which may present a health or environmental hazard.

#### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
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 : Consult a physician after significant exposure.  
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 : Immediately flush eye(s) with plenty of water.  
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.

#### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO2)  
Alcohol-resistant foam  
Dry chemical

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- 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 : No hazardous combustion products are known
- 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.  
Use personal protective equipment.

#### **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.
- 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

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- 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 : No smoking.  
Keep in a 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
64742-48-9 / 64742-47-8	Naphtha (pet), hydrotreated heavy AND/OR Distillates (pet), hydrotreated light	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
111-76-2	2-Butoxy ethanol	TWA	20 ppm	ACGIH
		TWA	5 ppm 24 mg/m3	NIOSH REL
		TWA	50 ppm 240 mg/m3	OSHA Z-1
		TWA	25 ppm 120 mg/m3	OSHA P0
64742-94-5	Solvent naphtha (petroleum), heavy arom.	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	200 mg/m3 (total hydrocarbon vapor)	ACGIH
		TWA	400 ppm	OSHA P0

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			1,600 mg/m3	
91-20-3	**Naphthalene	TWA	10 ppm	ACGIH
		STEL	15 ppm	ACGIH
		TWA	10 ppm 50 mg/m3	NIOSH REL
		ST	15 ppm 75 mg/m3	NIOSH REL
		TWA	10 ppm 50 mg/m3	OSHA Z-1
		TWA	10 ppm 50 mg/m3	OSHA P0
		STEL	15 ppm 75 mg/m3	OSHA P0
526-73-8	**Benzene, 1,2,5-trimethyl-	TWA	25 ppm 125 mg/m3	NIOSH REL
95-63-6	**1,2,4-trimethylbenzene	TWA	25 ppm 125 mg/m3	NIOSH REL

### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-Butoxy ethanol	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g Creatinine	ACGIH BEI

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.  
In the case of vapour 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  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work

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place.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : Clear, Colorless

Odour : Characteristic

Odour Threshold : No data available

pH : No data available

Freezing Point : No data available

Boiling Point : No data available

Flash point : 64 °C (147 °F)

Evaporation rate : 1  
Ethyl Ether

Flammability (solid, gas) : No data available

Burning rate : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : > 1(Air = 1.0)

Relative density : 0.84 @ 20 °C (68 °F)  
Reference substance: (water = 1)

Density : 0.84 g/cm<sup>3</sup> @ 20 °C (68 °F)

Bulk density : No data available

Water solubility : No data available



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Solubility in other sol-  
vents : No data available

Partition coefficient: n-  
octanol/water : No data available

Auto-ignition temperature : No data available

Thermal decomposition : No data available

#### 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 : No hazards to be specially mentioned.

Conditions to avoid : Do not allow evaporation to dryness.  
Keep away from heat, flame, sparks and other ignition  
sources.

Incompatible materials : Strong oxidizing agents

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

##### **Product:**

Acute oral toxicity : Acute toxicity estimate : 1,683 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 10165 ppm  
Exposure time: 4 h  
Test atmosphere: gas  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : 2,824 mg/kg  
Method: Calculation method

##### **Components:**

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#### 64742-48-9 / 64742-47-8:

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity
- Acute inhalation toxicity : LC50 (Rat): > 5610  
Assessment: The component/mixture is low toxic after short term inhalation.
- Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg  
Method: Fixed dose procedure  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity

#### 111-76-2:

- Acute oral toxicity : LD50 (Rat): 745 mg/kg  
Assessment: The component/mixture is moderately toxic after single ingestion.
- Acute inhalation toxicity : LC50 (Rat): 550 ppm  
Exposure time: 4 h  
Assessment: The component/mixture is moderately toxic after short term inhalation.
- Acute dermal toxicity : LD50 (Rat): 1,250 mg/kg  
Assessment: The component/mixture is moderately toxic after single contact with skin.

#### 64742-94-5:

- Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
- Acute inhalation toxicity : Remarks: No data available
- Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg

### Skin corrosion/irritation

#### Components:

#### 64742-48-9 / 64742-47-8:

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

#### 111-76-2:

Species: Rabbit  
Result: Irritating to skin.

#### 64742-94-5:

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

#### Serious eye damage/eye irritation

##### Components:

###### **64742-48-9 / 64742-47-8:**

Species: Rabbit  
Result: Irritating to eyes.  
Method: OECD Test Guideline 405

###### **111-76-2:**

Species: Rabbit  
Result: Irritating to eyes.

###### **64742-94-5:**

Species: Rabbit  
Result: Irritating to eyes.

#### Respiratory or skin sensitisation

##### Components:

###### **64742-48-9 / 64742-47-8:**

Test Type: Buehler Test  
Exposure routes: Dermal  
Species: Guinea pig  
Method: In vivo  
Result: Did not cause sensitisation on laboratory animals.  
GLP: yes

###### **111-76-2:**

Test Type: Maximization test  
Species: Guinea pig  
Result: Did not cause sensitisation on laboratory animals.

###### **64742-94-5:**

Test Type: Buehler Test  
Species: Guinea pig  
Method: In vivo  
Result: Did not cause sensitisation on laboratory animals.  
GLP: yes  
Remarks: Based on a similar product formulation.

#### Germ cell mutagenicity

##### Components:

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**64742-48-9 / 64742-47-8:**

Germ cell mutagenicity-  
Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

**111-76-2:**

Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay  
Test species: Chinese hamster ovary (CHO)  
Metabolic activation: with and without metabolic activation  
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Test species: Mouse (male)  
Application Route: Intraperitoneal  
Result: negative

Germ cell mutagenicity-  
Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

**64742-94-5:**

Germ cell mutagenicity-  
Assessment : Mutagenicity classification not possible from current data

### Carcinogenicity

**Components:**

**64742-48-9 / 64742-47-8:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**111-76-2:**

Species: Mouse  
Application Route: Inhalation  
Exposure time: 2 yr  
Activity duration: 6 h  
Frequency of Treatment: 5 days/week  
NOAEL: 125 ppm

Result: Limited evidence of carcinogenic effects with no relevance to humans

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**64742-94-5:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

### Reproductive toxicity

**Components:**

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**64742-48-9 / 64742-47-8:**

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

**111-76-2:**

Effects on fertility : Test Type: Two-generation study  
Species: Mouse  
Application Route: oral  
Fertility: NOAEL: 720 mg/kg body weight  
Symptoms: Reduced fertility  
Result: Reduced fertility at maternally toxic doses

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Inhalation  
Duration of Single Treatment: 10 d  
Frequency of Treatment: 6 hr/day  
Developmental Toxicity: Lowest observed adverse effect level: 100 ppm  
Result: Developmental toxicity occurred at maternal toxicity dose levels

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

**64742-94-5:**

Effects on fertility : Test Type: Fertility  
Species: Rat, male  
Application Route: Oral  
Dose: 0, 750, 1500, 3000 mg/kg/day  
Duration of Single Treatment: 70 - 90 d  
General Toxicity - Parent: LOAEL: 750 mg/kg body weight  
Fertility: NOAEL:  $\geq$  3,000 mg/kg body weight  
Symptoms: Reduced body weight  
Result: No reproductive effects.  
GLP: yes

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

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Symptoms: Reduced body weight  
Method: OECD Test Guideline 414  
Result: Developmental toxicity occurred at maternal toxicity dose levels, No teratogenic effects

Reproductive toxicity - Assessment : Fertility classification not possible from current data. Embryotoxicity classification not possible from current data.

### STOT - single exposure

**Product:** No data available

**Components:**

64742-48-9 / 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.	

111-76-2: No data available

64742-94-5:

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.	

98-06-6: No data available

527-53-7: No data available

95-93-2: No data available

105-05-5: No data available

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488-23-3:No data available

91-20-3:No data available

526-73-8:No data available

1074-43-7:No data available

95-63-6:No data available

### **STOT - repeated exposure**

**Product:**No data available

### **Components:**

**64742-48-9 / 64742-47-8:**No data available

**111-76-2:**No data available

**64742-94-5:**No data available

**98-06-6:**No data available

**527-53-7:**No data available

**95-93-2:**No data available

**105-05-5:**No data available

**488-23-3:**No data available

**91-20-3:**No data available

**526-73-8:**No data available

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**1074-43-7:**No data available

**95-63-6:**No data available

#### Repeated dose toxicity

##### Components:

##### **64742-48-9 / 64742-47-8:**

Species: Rat, male

LOAEL: 750 mg/kg

Application Route: Oral

Exposure time: 70 - 90 days

Number of exposures: daily

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:  $\geq 1000$

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:  $\geq 0,5$

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

##### **111-76-2:**

Species: Rat

NOAEL: 30

Application Route: Inhalation

Exposure time: 14 wk



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Number of exposures: 6 h/d, 5 d/wk

#### **64742-94-5:**

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

Repeated dose toxicity - : Causes skin irritation.  
Assessment

#### **Aspiration toxicity**

##### **Components:**

#### **64742-48-9 / 64742-47-8:**

May be fatal if swallowed and enters airways.

#### **111-76-2:**

No aspiration toxicity classification

#### **64742-94-5:**

May be fatal if swallowed and enters airways.

#### **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:**

#### **64742-48-9 / 64742-47-8:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 10 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and : EL50 (Daphnia magna (Water flea)): 1.4 mg/l

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other aquatic invertebrates	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 mg/l End point: Growth rate Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: yes
Ecotoxicology Assessment	
Acute aquatic toxicity	: Toxic to aquatic life.
Chronic aquatic toxicity	: Toxic to aquatic life with long lasting effects.
<b>111-76-2:</b>	
Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 1,474 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: no
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 1,800 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: no
Toxicity to algae	: EC50 (Pseudokirchneriella subcapitata (green algae)): 911 mg/l End point: Biomass Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: no
<b>64742-94-5:</b>	
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

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- 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  
 Method: OECD Test Guideline 201  
 GLP: yes
- Ecotoxicology Assessment  
 Acute aquatic toxicity : Very toxic to aquatic life.
- Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

#### Persistence and degradability

##### Components:

##### **64742-48-9 / 64742-47-8:**

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

##### **111-76-2:**

- Biodegradability : aerobic  
 Inoculum: Activated sludge, domestic, adaption not specified  
 Result: Readily biodegradable  
 Biodegradation: 90.4 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301B  
 GLP: no

##### **64742-94-5:**

- Biodegradability : aerobic  
 Concentration: 2 mg/l  
 Biodegradation: 30 %  
 Exposure time: 28 d  
 Test substance: Solvent naphtha (petroleum), heavy aromatic

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GLP: yes  
Remarks: Not readily biodegradable.

#### Bioaccumulative potential

##### Components:

###### **111-76-2:**

Partition coefficient: n-octanol/water : log Pow: 0.83

###### **64742-94-5:**

Partition coefficient: n-octanol/water : log Pow: 3.2 - 4.5

###### **91-20-3:**

Partition coefficient: n-octanol/water : log Pow: 3.4 (25 °C)  
pH: 7 - 7.5

###### **526-73-8:**

Partition coefficient: n-octanol/water : Remarks: No data available

###### **95-63-6:**

Partition coefficient: n-octanol/water : Remarks: No data available

#### Mobility in soil

No data available

#### Other adverse effects

No data available

##### Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks 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 : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life with long lasting effects.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Dispose of in accordance with all applicable local,

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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):** NA1993, Combustible liquid, n.o.s., (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY, 2-BUTOXYETHANOL), CBL, III

**Special Notes:** : 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, Harmful by ingestion., Harmful by inhalation., Moderate skin irritant, Moderate eye irritant, Specific target organ toxicity - single exposure, Aspiration hazard

**WHMIS Classification** : B3: Combustible Liquid  
D1A: Very Toxic Material Causing Immediate and Serious Toxic Effects  
D2B: Toxic Material Causing Other Toxic Effects

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

**CERCLA Reportable Quantity**

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Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
**Naphthalene	91-20-3	100	4719

### 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  
Immediate (Acute) Health Hazard

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

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

111-76-2	2-Butoxy ethanol	32.2608 %
91-20-3	**Naphthalene	2.1192 %
95-63-6	**1,2,4-trimethylbenzene	1.2715 %

### Clean Air Act

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

91-20-3	**Naphthalene	2.1192 %
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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):

111-76-2	2-Butoxy ethanol	32.2608 %
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### Clean Water Act

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

91-20-3	**Naphthalene	2.1192 %
108-88-3	**Toluene	0.0046 %
71-43-2	**Benzene	0.4654 PPM
100-41-4	**Ethylbenzene	0.4654 PPM

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

91-20-3	**Naphthalene	2.1192 %
108-88-3	**Toluene	0.0046 %
71-43-2	**Benzene	0.4654 PPM
100-41-4	**Ethylbenzene	0.4654 PPM

This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307

91-20-3	**Naphthalene	2.1192 %
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### US State Regulations

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#### Massachusetts Right To Know

111-76-2	2-Butoxy ethanol	30 - 50 %
98-06-6	**Butylbenzene, tert-	5 - 10 %
105-05-5	**1,4-Diethylbenzene	1 - 5 %
91-20-3	**Naphthalene	1 - 5 %
95-63-6	**1,2,4-trimethylbenzene	1 - 5 %

#### Pennsylvania Right To Know

64742-48-9 /	Naphtha (pet), hydrotreated heavy	30 - 50 %
64742-47-8	AND/OR Distillates (pet), hydrotreated light	
111-76-2	2-Butoxy ethanol	30 - 50 %
64742-94-5	Solvent naphtha (petroleum), heavy arom.	20 - 30 %
98-06-6	**Butylbenzene, tert-	5 - 10 %
527-53-7	**Benzene, 1,2,3,5-tetramethyl-	1 - 5 %
95-93-2	**Benzene, 1,2,4,5-tetramethyl-	1 - 5 %
105-05-5	**1,4-Diethylbenzene	1 - 5 %
91-20-3	**Naphthalene	1 - 5 %
95-63-6	**1,2,4-trimethylbenzene	1 - 5 %
98-82-8	**Cumene	0 - 0.1 %

#### New Jersey Right To Know

64742-48-9 /	Naphtha (pet), hydrotreated heavy	30 - 50 %
64742-47-8	AND/OR Distillates (pet), hydrotreated light	
111-76-2	2-Butoxy ethanol	30 - 50 %
64742-94-5	Solvent naphtha (petroleum), heavy arom.	20 - 30 %
98-06-6	**Butylbenzene, tert-	5 - 10 %
527-53-7	**Benzene, 1,2,3,5-tetramethyl-	1 - 5 %
91-20-3	**Naphthalene	1 - 5 %
95-63-6	**1,2,4-trimethylbenzene	1 - 5 %

#### California Prop 65

	WARNING! This product contains a chemical known to the State of California to cause cancer.
91-20-3	**Naphthalene
98-82-8	**Cumene
71-43-2	**Benzene
100-41-4	**Ethylbenzene
	WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
108-88-3	**Toluene
71-43-2	**Benzene

The components of this product are reported in the following inventories:

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<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.)
<b>Australia Inventory of Chemical Substances (AICS)</b>	: y (positive listing) (On the inventory, or in compliance with the inventory)
<b>New Zealand. Inventory of Chemical Substances</b>	: n (Negative listing) (Not 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>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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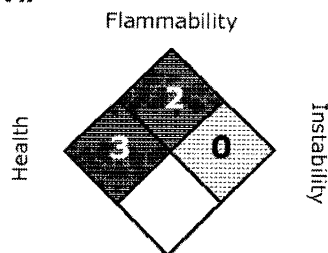
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### SECTION 16. OTHER INFORMATION **Further information**

**NFPA:**



Special hazard.

**HMIS III:**

<b>HEALTH</b>	<b>3</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 NEXEO™ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.

**Legacy SDS:** R0399514

**Material number:**  
57181, 59760

<b>Key or legend to abbreviations and acronyms used in the safety data sheet</b>			
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 Substances List	NIOSH	National Institute for Occupational 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

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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%		