

## Safety Data Sheet Startex Paint Thinner

Version 0.0

Revision Date: 12/18/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : Startex Paint Thinner

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

Recommended use : Thinner

**Manufacturer or supplier's details**

**Company** : Nexeo Solutions LLC - STARTEX™  
**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 (1-800-424-9300)

**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 3

Skin irritation : Category 2

Eye irritation : Category 2A

Carcinogenicity : Category 1B

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

Aspiration hazard : Category 1

**GHS Label element**

Hazard pictograms :



Signal word : Danger



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Hazard statements : H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H350 May cause cancer.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
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.  
P281 Use personal protective equipment as required.  
**Response:**  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
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.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
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



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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

#### Carcinogenicity:

##### IARC

Group 2B: Possibly carcinogenic to humans

100-41-4

\*\*Ethylbenzene

91-20-3

\*\*Naphthalene

##### ACGIH

Confirmed animal carcinogen with unknown relevance to humans

100-41-4

\*\*Ethylbenzene

##### 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, colourless         |
| Odour          | mild, Characteristic      |
| Hazard Summary | No information available. |

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

| CAS-No. | Chemical Name | Concentration (%) |
|---------|---------------|-------------------|
|---------|---------------|-------------------|



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|                            |                                                                                   |         |
|----------------------------|-----------------------------------------------------------------------------------|---------|
| 64742-47-8 /<br>64742-88-7 | Distillates (pet), hydrotreated light AND/OR<br>Solvent naphtha (pet), med aliph. | 70 - 90 |
| 8052-41-3                  | Stoddard solvent                                                                  | 20 - 30 |
| 1330-20-7                  | **Mixed Xylenes                                                                   | 1 - 5   |
| 95-63-6                    | **1,2,4-trimethylbenzene                                                          | 1 - 5   |
| 111-84-2                   | **Nonane                                                                          | 1 - 5   |
| 100-41-4                   | **Ethylbenzene                                                                    | 0.1 - 1 |
| 91-20-3                    | **Naphthalene                                                                     | 0.1 - 1 |

**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 : Alcohol-resistant foam



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|                                               |                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| media                                         | Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical                                                                                                                                                                                                                                                                      |
| 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.<br>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 fire-fighting if necessary.                                                                                                                                                                                                                                              |

### **NFPA Flammable and Combustible Liquids Classification:** Combustible Liquid Class II

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

|                                                                     |                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.<br>Ensure adequate ventilation.<br>Remove all sources of ignition.<br>Evacuate personnel to safe areas.<br>Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. |
| Environmental precautions                                           | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>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).                     |



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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.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : 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<br>(Form of exposure) | Control parameters / Permissible concentration     | Basis    |
|----------------------------|--------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------|----------|
| 64742-47-8<br>/ 64742-88-7 | Distillates (pet), hydrotreated light AND/OR Solvent naphtha (pet), med aliph. | TWA                              | 500 ppm<br>2,000 mg/m <sup>3</sup>                 | OSHA Z-1 |
|                            |                                                                                | TWA                              | 200 mg/m <sup>3</sup><br>(total hydrocarbon vapor) | ACGIH    |
|                            |                                                                                | TWA                              | 400 ppm<br>1,600 mg/m <sup>3</sup>                 | OSHA P0  |
| 8052-41-3                  | Stoddard solvent                                                               | TWA                              | 100 ppm                                            | ACGIH    |



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|           |                          |      |                        |           |
|-----------|--------------------------|------|------------------------|-----------|
|           |                          | TWA  | 350 mg/m3              | NIOSH REL |
|           |                          | C    | 1,800 mg/m3            | NIOSH REL |
|           |                          | TWA  | 500 ppm<br>2,900 mg/m3 | OSHA Z-1  |
|           |                          | TWA  | 100 ppm<br>525 mg/m3   | OSHA P0   |
| 1330-20-7 | **Mixed Xylenes          | TWA  | 100 ppm<br>435 mg/m3   | OSHA Z-1  |
|           |                          | TWA  | 100 ppm                | ACGIH     |
|           |                          | STEL | 150 ppm                | ACGIH     |
|           |                          | STEL | 150 ppm<br>655 mg/m3   | OSHA P0   |
|           |                          | TWA  | 100 ppm<br>435 mg/m3   | OSHA P0   |
| 95-63-6   | **1,2,4-trimethylbenzene | TWA  | 25 ppm<br>125 mg/m3    | NIOSH REL |
| 111-84-2  | **Nonane                 | TWA  | 200 ppm                | ACGIH     |
|           |                          | TWA  | 200 ppm<br>1,050 mg/m3 | NIOSH REL |
|           |                          | TWA  | 200 ppm<br>1,050 mg/m3 | OSHA P0   |
| 100-41-4  | **Ethylbenzene           | TWA  | 20 ppm                 | ACGIH     |
|           |                          | TWA  | 100 ppm<br>435 mg/m3   | NIOSH REL |
|           |                          | ST   | 125 ppm<br>545 mg/m3   | NIOSH REL |
|           |                          | TWA  | 100 ppm<br>435 mg/m3   | OSHA Z-1  |
|           |                          | TWA  | 100 ppm<br>435 mg/m3   | OSHA P0   |
|           |                          | STEL | 125 ppm<br>545 mg/m3   | OSHA P0   |
| 91-20-3   | **Naphthalene            | TWA  | 10 ppm                 | ACGIH     |
|           |                          | STEL | 15 ppm                 | ACGIH     |
|           |                          | TWA  | 10 ppm<br>50 mg/m3     | NIOSH REL |
|           |                          | ST   | 15 ppm<br>75 mg/m3     | NIOSH REL |
|           |                          | TWA  | 10 ppm<br>50 mg/m3     | OSHA Z-1  |
|           |                          | TWA  | 10 ppm<br>50 mg/m3     | OSHA P0   |
|           |                          | STEL | 15 ppm<br>75 mg/m3     | OSHA P0   |

### Biological occupational exposure limits

| Components | CAS-No. | Control parameters | Biological specimen | Sampling time | Permissible concentration | Basis |
|------------|---------|--------------------|---------------------|---------------|---------------------------|-------|
|------------|---------|--------------------|---------------------|---------------|---------------------------|-------|



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|                 |           |                                                |       |                                                          |                    |           |
|-----------------|-----------|------------------------------------------------|-------|----------------------------------------------------------|--------------------|-----------|
| **Mixed Xylenes | 1330-20-7 | Methylhip puric acids                          | Urine | End of shift (As soon as possible after exposure ceases) | 1.5 g/g creatinine | ACGIH BEI |
| **Ethylbenzene  | 100-41-4  | Sum of mandelic acid and phenyl glyoxylic acid | Urine | End of shift at end of work-week                         | 0.7 g/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 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, colourless  
Odour : mild, Characteristic



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|                                             |                                                                     |
|---------------------------------------------|---------------------------------------------------------------------|
| Odour Threshold                             | : No data available                                                 |
| pH                                          | : No data available                                                 |
| Freezing Point                              | : No data available                                                 |
| Boiling Point (Boiling point/boiling range) | : 158 - 198 °C (316 - 388 °F)                                       |
| Flash point                                 | : 39.44 - 45 °C (102.99 - 113 °F)                                   |
| Evaporation rate                            | : No data available                                                 |
| 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                     | : No data available                                                 |
| Relative density                            | : 0.775 - 0.784 @ 20 °C (68 °F)<br>Reference substance: (water = 1) |
| Density                                     | : No data available                                                 |
| Bulk density                                | : No data available                                                 |
| Solubility(ies)                             |                                                                     |
| Water solubility                            | : Negligible                                                        |
| Solubility in other sol-<br>vents           | : No data available                                                 |
| Partition coefficient: n-<br>octanol/water  | : No data available                                                 |
| Auto-ignition temperature                   | : 276 °C                                                            |
| Thermal decomposition                       | : No data available                                                 |

### SECTION 10. STABILITY AND REACTIVITY



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|                                    |                                                                    |
|------------------------------------|--------------------------------------------------------------------|
| 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 sources.   |
| Incompatible materials             | : Oxidizing agents<br>Peroxides<br>Reducing agents<br>Strong bases |
| Hazardous decomposition products   | : Carbon oxides                                                    |

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute inhalation toxicity : Acute toxicity estimate : > 40 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

##### Components:

##### **64742-47-8 / 64742-88-7:**

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  
Assessment: The substance or mixture has no acute dermal toxicity

##### **8052-41-3:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): >5500  
Exposure time: 4 h



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Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 3,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

### Skin corrosion/irritation

#### Product:

Result: Irritating to skin.

#### Components:

##### **64742-47-8 / 64742-88-7:**

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

##### **8052-41-3:**

Species: Rabbit  
Exposure time: 24 h  
Method: In vivo  
Result: Mild skin irritation

### Serious eye damage/eye irritation

#### Product:

Result: Irritating to eyes.

#### Components:

##### **64742-47-8 / 64742-88-7:**

Species: Rabbit  
Result: Irritating to eyes.

##### **8052-41-3:**

Species: Rabbit  
Result: Mild eye irritation  
Method: In vivo

### Respiratory or skin sensitisation

#### Components:

##### **64742-47-8 / 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

### **8052-41-3:**

Exposure routes: Dermal  
Species: Guinea pig  
Method: In vivo  
Result: Did not cause sensitisation on laboratory animals.

### **Germ cell mutagenicity**

#### **Components:**

##### **64742-47-8 / 64742-88-7:**

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

##### **8052-41-3:**

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

### **Carcinogenicity**

#### **Components:**

##### **64742-47-8 / 64742-88-7:**

Carcinogenicity - As- : Not classifiable as a human carcinogen.  
essment

##### **8052-41-3:**

Carcinogenicity - As- : Carcinogenicity classification not possible from current  
essment data.

##### **100-41-4:**

Carcinogenicity - As- : Not classifiable as a human carcinogen.  
essment

### **Reproductive toxicity**

#### **Components:**

##### **64742-47-8 / 64742-88-7:**

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

##### **8052-41-3:**

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



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### STOT - single exposure

**Product:** No data available

**Components:**

64742-47-8 / 64742-88-7:

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

8052-41-3:

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

1330-20-7: No data available

95-63-6: No data available

111-84-2: No data available

100-41-4: No data available

91-20-3: No data available

### STOT - repeated exposure

**Product:** No data available

**Components:**

64742-47-8 / 64742-88-7: No data available

8052-41-3: No data available



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**1330-20-7:**No data available

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

**111-84-2:**No data available

**100-41-4:**No data available

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

### Repeated dose toxicity

#### Components:

##### **64742-47-8 / 64742-88-7:**

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, male and female

NOAEL: 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.

##### **8052-41-3:**

Species: Rat, male and female

NOAEL: 275

Application Route: Inhalation

Exposure time: 14 wks

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

Dose: 138, 275, 550, 1100, 2200mg/m<sup>3</sup>

Group: yes

Symptoms: nasal symptoms, Testicular effects, Kidney disorders

Remarks: male rat hydrocarbon nephropathy not relevant to humans



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Species: Mouse, male and female  
LOAEL: 138  
Application Route: Inhalation  
Exposure time: 14 wks  
Number of exposures: 6 h/d, 5 d/wk  
Dose: 138, 275, 550, 1100, 2200mg/m<sup>3</sup>  
Group: yes  
Symptoms: Spleen effects

### Aspiration toxicity

#### Product:

May be fatal if swallowed and enters airways.

#### Components:

##### **64742-47-8 / 64742-88-7:**

May be fatal if swallowed and enters airways.

##### **8052-41-3:**

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:

##### **64742-47-8 / 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

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 1.4 mg/l  
Exposure time: 48 h  
Test Type: static test



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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.

### **8052-41-3:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : LL50 (Chaetogammarus marinus (Amphipod)): 3.5 mg/l  
Exposure time: 96 h

Toxicity to algae : EbL50 (Pseudokirchneriella subcapitata (green algae)): 2.5 mg/l  
End point: Biomass  
Exposure time: 72 h

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 / 64742-88-7:**

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

### **8052-41-3:**

Biodegradability : Remarks: No data available



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### Bioaccumulative potential

#### Components:

##### **1330-20-7:**

Partition coefficient: n-octanol/water : log Pow: 2.77 - 3.15

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

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

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

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

### 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, 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



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drum.

### SECTION 14. TRANSPORT INFORMATION

**IATA (International Air Transport Association):** UN1263, PAINT RELATED MATERIAL, 3, III, Flash Point: 39.44 - 45 °C (102.99 - 113 °F)

**IMDG (International Maritime Dangerous Goods):** UN1263, PAINT RELATED MATERIAL, 3, III, Marine Pollutant (PETROLEUM DISTILLATE, HYDROTREATED LIGHT, STODDARD SOLVENT)

**DOT (Department of Transportation):** UN1263, PAINT RELATED MATERIAL, 3, 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.

### SECTION 15. REGULATORY INFORMATION

**OSHA Hazards** : Combustible Liquid, Carcinogen, Moderate skin irritant, Moderate eye irritant, Moderate respiratory irritant, Specific target organ toxicity - single exposure, Aspiration hazard

**WHMIS Classification** : B3: Combustible Liquid  
D2A: Very Toxic Material Causing Other Toxic Effects  
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) |
|-----------------|-----------|--------------------|-----------------------------|
| **Mixed Xylenes | 1330-20-7 | 100                | 2505                        |

##### 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  
Chronic (Delayed) Health Hazard  
Immediate (Acute) Health Hazard



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**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:

|           |                          |          |
|-----------|--------------------------|----------|
| 1330-20-7 | **Mixed Xylenes          | 3.9925 % |
| 95-63-6   | **1,2,4-trimethylbenzene | 1.0075 % |
| 100-41-4  | **Ethylbenzene           | 0.1798 % |
| 91-20-3   | **Naphthalene            | 0.1798 % |

### Clean Air Act

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

|           |                 |          |
|-----------|-----------------|----------|
| 1330-20-7 | **Mixed Xylenes | 3.9925 % |
| 100-41-4  | **Ethylbenzene  | 0.1797 % |
| 91-20-3   | **Naphthalene   | 0.1797 % |
| 98-82-8   | **Cumene        | 0.079 %  |
| 108-88-3  | **Toluene       | 0.079 %  |
| 71-43-2   | **Benzene       | 0.079 %  |

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

|           |                 |          |
|-----------|-----------------|----------|
| 1330-20-7 | **Mixed Xylenes | 3.9925 % |
| 100-41-4  | **Ethylbenzene  | 0.1798 % |
| 91-20-3   | **Naphthalene   | 0.1798 % |
| 98-82-8   | **Cumene        | 0.079 %  |
| 108-88-3  | **Toluene       | 0.079 %  |
| 71-43-2   | **Benzene       | 0.079 %  |

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):

|           |                 |          |
|-----------|-----------------|----------|
| 1330-20-7 | **Mixed Xylenes | 3.9925 % |
| 100-41-4  | **Ethylbenzene  | 0.1798 % |
| 98-82-8   | **Cumene        | 0.079 %  |
| 108-88-3  | **Toluene       | 0.079 %  |
| 71-43-2   | **Benzene       | 0.079 %  |

### Clean Water Act

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

|           |                 |          |
|-----------|-----------------|----------|
| 1330-20-7 | **Mixed Xylenes | 3.9925 % |
| 100-41-4  | **Ethylbenzene  | 0.1798 % |
| 91-20-3   | **Naphthalene   | 0.1798 % |
| 108-88-3  | **Toluene       | 0.079 %  |
| 71-43-2   | **Benzene       | 0.079 %  |



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

|           |                 |          |
|-----------|-----------------|----------|
| 1330-20-7 | **Mixed Xylenes | 3.9925 % |
| 100-41-4  | **Ethylbenzene  | 0.1798 % |
| 91-20-3   | **Naphthalene   | 0.1798 % |
| 108-88-3  | **Toluene       | 0.079 %  |
| 71-43-2   | **Benzene       | 0.079 %  |

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

|           |                          |           |
|-----------|--------------------------|-----------|
| 8052-41-3 | Stoddard solvent         | 20 - 30 % |
| 1330-20-7 | **Mixed Xylenes          | 1 - 5 %   |
| 95-63-6   | **1,2,4-trimethylbenzene | 1 - 5 %   |
| 111-84-2  | **Nonane                 | 1 - 5 %   |
| 71-43-2   | **Benzene                | 0 - 0.1 % |

#### Pennsylvania Right To Know

|                            |                                                                                      |           |
|----------------------------|--------------------------------------------------------------------------------------|-----------|
| 64742-47-8 /<br>64742-88-7 | Distillates (pet), hydrotreated light<br>AND/OR Solvent naphtha (pet), med<br>aliph. | 70 - 90 % |
| 8052-41-3                  | Stoddard solvent                                                                     | 20 - 30 % |
| 1330-20-7                  | **Mixed Xylenes                                                                      | 1 - 5 %   |
| 95-63-6                    | **1,2,4-trimethylbenzene                                                             | 1 - 5 %   |
| 111-84-2                   | **Nonane                                                                             | 1 - 5 %   |
| 100-41-4                   | **Ethylbenzene                                                                       | 0.1 - 1 % |
| 91-20-3                    | **Naphthalene                                                                        | 0.1 - 1 % |
| 98-82-8                    | **Cumene                                                                             | 0 - 0.1 % |
| 108-88-3                   | **Toluene                                                                            | 0 - 0.1 % |
| 71-43-2                    | **Benzene                                                                            | 0 - 0.1 % |

#### New Jersey Right To Know

|                            |                                                                                      |           |
|----------------------------|--------------------------------------------------------------------------------------|-----------|
| 64742-47-8 /<br>64742-88-7 | Distillates (pet), hydrotreated light<br>AND/OR Solvent naphtha (pet), med<br>aliph. | 70 - 90 % |
| 8052-41-3                  | Stoddard solvent                                                                     | 20 - 30 % |
| 1330-20-7                  | **Mixed Xylenes                                                                      | 1 - 5 %   |
| 95-63-6                    | **1,2,4-trimethylbenzene                                                             | 1 - 5 %   |
| 111-84-2                   | **Nonane                                                                             | 1 - 5 %   |
| 100-41-4                   | **Ethylbenzene                                                                       | 0.1 - 1 % |
| 91-20-3                    | **Naphthalene                                                                        | 0.1 - 1 % |

#### California Prop 65

|          |                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
|          | 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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|          |                                                                                             |
|----------|---------------------------------------------------------------------------------------------|
| 71-43-2  | **Benzene                                                                                   |
|          | WARNING! This product contains a chemical known to the State of California to cause cancer. |
| 100-41-4 | **Ethylbenzene                                                                              |
| 91-20-3  | **Naphthalene                                                                               |
| 98-82-8  | **Cumene                                                                                    |
| 71-43-2  | **Benzene                                                                                   |

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

|                                                                           |                                                                                               |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>United States TSCA Inventory</b>                                       | : y (positive listing)<br>(On TSCA Inventory)                                                 |
| <b>Canadian Domestic Substances List (DSL)</b>                            | : y (positive listing)<br>(All components of this product are on the Canadian DSL.)           |
| <b>Australia Inventory of Chemical Substances (AICS)</b>                  | : y (positive listing)<br>(On the inventory, or in compliance with the inventory)             |
| <b>Korea. Korean Existing Chemicals Inventory (KECI)</b>                  | : y (positive listing)<br>(On the inventory, or in compliance with the inventory)             |
| <b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b> | : y (positive listing)<br>(On the inventory, or in compliance with the inventory)             |
| <b>China. Inventory of Existing Chemical Substances in China (IECSC)</b>  | : y (positive listing)<br>(On the inventory, or in compliance with the inventory)             |
| <b>Switzerland. New notified substances and declared preparations</b>     | : y (positive listing)<br>(The formulation contains substances listed on the Swiss Inventory) |



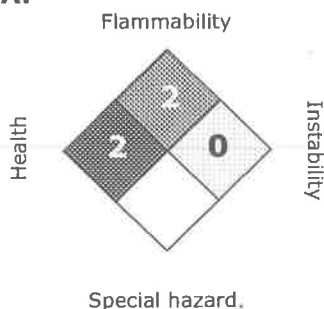
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### SECTION 16. OTHER INFORMATION **Further information**

#### NFPA:



#### HMIS III:

|                 |    |
|-----------------|----|
| HEALTH          | 2* |
| FLAMMABILITY    | 2  |
| PHYSICAL HAZARD | 0  |

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.

#### Material number:

16067564, 16067563, 16067562, 16067561, 16067560, 16067559, 16067558, 16067557, 16056402, 16056401, 16056400, 16056399, 16056398, 16056397, 16056396, 16056395, 16056394

#### 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 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         |



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|        |                                                          |       |                                                                                      |
|--------|----------------------------------------------------------|-------|--------------------------------------------------------------------------------------|
| 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%                                 |       |                                                                                      |