# Safety Data Sheet
# Xylene

Version 1.6 Revision Date: 06/23/2015

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : Xylene
**Product Use Description** : Solvent.

**Manufacturer or supplier's details**

**Company** : Nexeo Solutions LLC - STARTEX™
**Address** 3 Waterway Square Place Suite 1000
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 3 |
| Acute toxicity (Inhalation) | : Category 4 |
| Acute toxicity (Dermal) | : Category 4 |
| Skin irritation | : Category 2 |
| Eye irritation | : Category 2A |
| Specific target organ toxicity - single exposure | : Category 3 (Respiratory system) |
| Specific target organ toxicity - repeated exposure | : Category 2 (Liver, Kidney, Central nervous system) |
| Specific target organ toxicity - repeated exposure (Oral) | : Category 2 |
| Aspiration hazard | : Category 1 |

**GHS Label element**

Hazard pictograms :

Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 + H332 Harmful in contact with skin or if inhaled
H315+H319 Causes skin irritation and serious eye damage
H335 May cause respiratory irritation.
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.
P260 Do not breathe 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.
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.
P314 Get medical advice/ attention if you feel unwell.
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 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 |
| | 98-82-8 | **Cumene |
| **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** | 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 |
| Colour | clear, colourless |
| Odour | sweet, aromatic, hydrocarbon-like |
| Hazard Summary | No information available. |

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Hazardous components**

| CAS-No. | Chemical Name | Concentration (%) |
|---|---|---|
| 1330-20-7 | Mixed xylenes | 90 - 100 |
| 100-41-4 | **Ethylbenzene | 0 - 30 |
| 108-88-3 | **Toluene | 1 - 5 |
| 98-82-8 | **Cumene | 0.1 - 1 |

**Special Notes:** : Mixed Xylenes contains the isomers o-, m-, p- Xylene, and Ethylbenzene. Trace amounts of Toluene and Benzene may also be present as impurities., ** 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 : If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.

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 | : | Alcohol-resistant foam<br>Carbon dioxide (CO2)<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.<br>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 firefighting if necessary. |

**NFPA Flammable and Combustible Liquids Classification**:
Flammable Liquid Class IC

## 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).

## 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 re-sealed 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 |
|---|---|---|---|---|
| 1330-20-7 | Mixed xylenes | TWA | 100 ppm | ACGIH |
| | | STEL | 150 ppm | ACGIH |
| | | TWA | 100 ppm | OSHA Z-1 |

| | | | | |
|---|---|---|---|---|
| | | | 435 mg/m3 | |
| 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 |
| 108-88-3 | **Toluene | TWA | 20 ppm | ACGIH |
| | | TWA | 100 ppm<br>375 mg/m3 | NIOSH REL |
| | | ST | 150 ppm<br>560 mg/m3 | NIOSH REL |
| | | TWA | 200 ppm | OSHA Z-2 |
| | | CEIL | 300 ppm | OSHA Z-2 |
| | | Peak | 500 ppm | OSHA Z-2 |
| | | TWA | 100 ppm<br>375 mg/m3 | OSHA P0 |
| | | STEL | 150 ppm<br>560 mg/m3 | OSHA P0 |
| 98-82-8 | **Cumene | TWA | 50 ppm | ACGIH |
| | | TWA | 50 ppm<br>245 mg/m3 | NIOSH REL |
| | | TWA | 50 ppm<br>245 mg/m3 | OSHA Z-1 |
| | | TWA | 50 ppm<br>245 mg/m3 | OSHA P0 |

**Biological occupational exposure limits**

| Components | CAS-No. | Control parame-ters | Biological specimen | Sam-pling time | Permissi-ble con-centration | Basis |
|---|---|---|---|---|---|---|
| **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 |
| **Toluene | 108-88-3 | Toluene | In blood | Prior to last shift of work-week | 0.02 mg/l | ACGIH BEI |
| | | Toluene | Urine | End of shift | 0.03 mg/l | ACGIH BEI |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | (As soon as possible after expo-sure ceases) | | |
| | | o-Cresol | Urine | End of shift (As soon as possible after expo-sure ceases) | 0.3 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 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 | : | sweet, aromatic, hydrocarbon-like |
| Odour Threshold | : | No data available |
| pH | : | No data available |
| Freezing Point (Melting point/freezing point) | : | -48 - -25 °C (-54 - -13 °F) |
| Boiling Point (Boiling point/boiling range) | : | 138 - 142 °C (280 - 288 °F) |
| Flash point | : | 27 °C (81 °F) |
| Evaporation rate | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Burning rate | : | No data available |
| Upper explosion limit | : | 7 %(V) |
| Lower explosion limit | : | 1 %(V) |
| Vapour pressure | : | 7 mmHg @ 20 °C (68 °F) |
| Relative vapour density | : | 3.7(Air = 1.0) |
| Relative density | : | 0.87Reference substance: (water = 1) |
| Density | : | 0.8632 g/cm3 |
| Bulk density | : | No data available |
| Solubility(ies) | | |
| Water solubility | : | practically insoluble |
| Solubility in other solvents | : | No data available |
| Partition coefficient: n-octanol/water | : | No data available |
| Auto-ignition temperature | : | 432 °C |
| 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 | : | Keep away from heat, flame, sparks and other ignition sources. |
| Incompatible materials | : | Acids<br>alkalis<br>Strong oxidizing agents |

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Components:**

**1330-20-7:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (rat, male): 3,523 mg/kg<br>Method: EU Method B.1 (Acute Toxicity, Oral)<br>GLP: no |
| Acute inhalation toxicity | : | LC50 (rat, male): 6700 ppm<br>Exposure time: 4 h<br>Method: Directive 67/548/EEC, Annex V, B.2.<br>Assessment: The component/mixture is moderately toxic after short term inhalation. |
| Acute dermal toxicity | : | LD50 (rabbit): 1,100 mg/kg<br>Assessment: The component/mixture is moderately toxic after single contact with skin. |

**Skin corrosion/irritation**

**Product:**

Result: Irritating to skin.

**Components:**

**1330-20-7:**

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

**Serious eye damage/eye irritation**

**Product:**

Result: Irritating to eyes.

**Components:**

**1330-20-7:**
Species: rabbit
Result: Irritating to eyes.

**Respiratory or skin sensitisation**

**Components:**

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

**Germ cell mutagenicity**

**Components:**

**1330-20-7:**

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
Test species: Chinese hamster ovary (CHO)
Metabolic activation: with and without metabolic activation
Method: Mutagenicity (in vitro mammalian cytogenetic test)
Result: negative

: Test Type: Sister chromatid exchange assay in mammalian cells
Test species: Chinese hamster ovary (CHO)
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo : Test Type: Dominant lethal assay
Test species: mouse
Application Route: Subcutaneous
Exposure time: 8 wk
Dose: 1.0 mL/kg
Method: OECD Test Guideline 478
Result: negative
GLP: no

Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

**Carcinogenicity**

**Components:**

**1330-20-7:**
Species: mouse, (male and female)
Application Route: Oral
Exposure time: 103 wk
Dose: 0, 500 or 1000 mg/kg
Frequency of Treatment: 5 days/week
Method: Directive 67/548/EEC, Annex V, B.32.
Result: did not display carcinogenic properties
GLP: No data available

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

**100-41-4:**
Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**98-82-8:**
Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**Reproductive toxicity**

**Components:**

**1330-20-7:**
Effects on fertility : Test Type: Two-generation study
Species: rat, male and female
Application Route: Inhalation
Dose: 0, 25, 100 and 500 ppm
Duration of Single Treatment: 6 h
Frequency of Treatment: 7 days/week
General Toxicity - Parent: NOAEC: > 500 ppm
General Toxicity F1: NOAEC: > 500 ppm
Early Embryonic Development: NOAEC: > 500 ppm
Result: No reproductive effects.

Effects on foetal development : Species: rat
Application Route: Inhalation
Dose: 0, 100, 500, 1000 or 2000 ppm
Duration of Single Treatment: 14 d
Frequency of Treatment: 6 hr/day
General Toxicity Maternal: NOAEC: 500 ppm

Teratogenicity: NOAEC: > 2,000
Developmental Toxicity: NOAEC: 100 ppm
Result: No teratogenic effects., Developmental toxicity occurred at maternal toxicity dose levels

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility. Damage to fetus not classifiable

**STOT - single exposure**

**Product:**No data available

**Components:**

1330-20-7:

| Exposure routes: | Target Organs: | Assessment: | Remarks: |
|---|---|---|---|
| Inhalation | Respiratory system | May cause respiratory irritation., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation. | |

100-41-4:No data available

108-88-3:No data available

98-82-8:No data available

**STOT - repeated exposure**

**Product:**No data available

**Components:**

**1330-20-7:**

| Exposure routes: | Target Organs: | Assessment: | Remarks: |
|---|---|---|---|
| | Liver, Kidney, Central nervous system | May cause damage to organs through prolonged or repeated exposure., The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2. | |

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

**108-88-3:**No data available

**98-82-8:**No data available

**Repeated dose toxicity**

**Components:**

**1330-20-7:**
Species: rat, male and female
NOAEL: 250 mg/kg
Application Route: Oral
Exposure time: 103 wk
Number of exposures: 5 d/wk
Dose: 0, 250 or 500 mg/kg
Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

**Aspiration toxicity**

**Components:**

**1330-20-7:**
May be fatal if swallowed and enters airways.

**Further information**

**Product:**

Remarks: Solvents may degrease the skin.

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Components:**

**1330-20-7:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 2.6 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203 |

| | | |
|---|---|---|
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 1 mg/l<br>Exposure time: 24 h<br>Test Type: static test<br>Method: OECD Test Guideline 202 |
| Toxicity to algae | : | EC50 (Pseudokirchneriella subcapitata): 4.36 mg/l<br>End point: Growth rate<br>Exposure time: 72 h<br>Test Type: static test<br>Analytical monitoring: yes<br>Method: OECD Test Guideline 201<br>GLP: yes |

Ecotoxicology Assessment

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

**Persistence and degradability**

**Components:**

**1330-20-7:**

| | | |
|---|---|---|
| Biodegradability | : | Inoculum: activated sludge<br>Result: Readily biodegradable.<br>Biodegradation: 72 %<br>Exposure time: 20 d |

**Bioaccumulative potential**

**Components:**

**1330-20-7:**

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

**108-88-3:**

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | log Pow: 2.73 |

**98-82-8:**

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | log Pow: 3.55 (23 °C) |

**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.<br>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.<br>Dispose of as unused product.<br>Do not re-use empty containers.<br>Do not burn, or use a cutting torch on, the empty drum. |

## SECTION 14. TRANSPORT INFORMATION

**IATA (International Air Transport Association)**: UN1307, XYLENES, 3, III, Flash Point:27 °C(81 °F)

**IMDG (International Maritime Dangerous Goods):** UN1307, XYLENES, 3, III, Marine Pollutant (MIXED XYLENES**,** ETHYLBENZENE)

**DOT (Department of Transportation)**: UN1307, XYLENES, 3, III

## SECTION 15. REGULATORY INFORMATION

| | | |
|---|---|---|
| **OSHA Hazards** | : | Flammable liquid, Harmful by skin absorption., Moderate skin irritant, Moderate eye irritant, Moderate respiratory irritant, Aspiration hazard |

**WHMIS Classification** : B2: Flammable 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 | 100 |

**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 Health Hazard
Acute Health Hazard

**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 | 30 % |
| 108-88-3 | **Toluene | 4.9999 % |
| 98-82-8 | **Cumene | 1 % |
| 71-43-2 | **Benzene | 0.02 % |

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 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

| | | |
|---|---|---|
| 1330-20-7 | Mixed xylenes | 100 % |
| 100-41-4 | **Ethylbenzene | 30 % |
| 108-88-3 | **Toluene | 4.9999 % |
| 98-82-8 | **Cumene | 1 % |
| 71-43-2 | **Benzene | 0.02 % |

**Clean Water Act**

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

| | | |
|---|---|---|
| 1330-20-7 | Mixed xylenes | 100 % |
| 100-41-4 | **Ethylbenzene | 30 % |
| 108-88-3 | **Toluene | 4.9999 % |
| 71-43-2 | **Benzene | 0.02 % |

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

| | | |
|---|---|---|
| 1330-20-7 | Mixed xylenes | 100 % |
| 100-41-4 | **Ethylbenzene | 30 % |
| 108-88-3 | **Toluene | 4.9999 % |
| 71-43-2 | **Benzene | 0.02 % |

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

| | | |
|---|---|---|
| 100-41-4 | **Ethylbenzene | 30 % |
| 108-88-3 | **Toluene | 4.9999 % |

**US State Regulations**

**Massachusetts Right To Know**

| | | |
|---|---|---|
| 1330-20-7 | Mixed xylenes | 90 - 100 % |
| 100-41-4 | **Ethylbenzene | 0 - 30 % |
| 108-88-3 | **Toluene | 1 - 5 % |
| 98-82-8 | **Cumene | 0.1 - 1 % |
| 71-43-2 | **Benzene | 0 - 0.1 % |

**Pennsylvania Right To Know**

| | | |
|---|---|---|
| 1330-20-7 | Mixed xylenes | 90 - 100 % |
| 100-41-4 | **Ethylbenzene | 0 - 30 % |
| 108-88-3 | **Toluene | 1 - 5 % |
| 98-82-8 | **Cumene | 0.1 - 1 % |
| 71-43-2 | **Benzene | 0 - 0.1 % |

**New Jersey Right To Know**

| | | |
|---|---|---|
| 1330-20-7 | Mixed xylenes | 90 - 100 % |
| 100-41-4 | **Ethylbenzene | 0 - 30 % |
| 108-88-3 | **Toluene | 1 - 5 % |
| 98-82-8 | **Cumene | 1 - 5 % |

**California Prop 65**

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

| | |
|---|---|
| 100-41-4 | **Ethylbenzene |
| 98-82-8 | **Cumene |
| 71-43-2 | **Benzene |

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 |

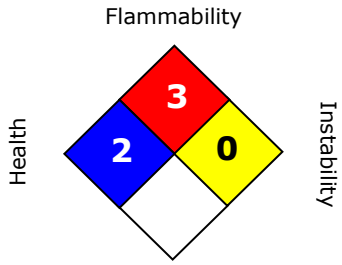
**The components of this product are reported in the following inventories:**

| | | |
|---|---|---|
| **United States TSCA Inventory** | : | y (positive listing) (On TSCA Inventory) |
| **Canadian Domestic Substances List (DSL)** | : | y (positive listing) (All components of this product are on the Canadian DSL.) |

| | | |
|---|---|---|
| **Australia Inventory of Chemical Substances (AICS)** | : | y (positive listing) (On the inventory, or in compliance with the inventory) |
| **New Zealand. Inventory of Chemical Substances** | : | y (positive listing) (On the inventory, or in compliance with the inventory) |
| **Japan. ENCS - Existing and New Chemical Substances Inventory** | : | y (positive listing) (On the inventory, or in compliance with the inventory) |
| **Korea. Korean Existing Chemicals Inventory (KECI)** | : | y (positive listing) (On the inventory, or in compliance with the inventory) |
| **Philippines Inventory of Chemicals and Chemical Substances (PICCS)** | : | y (positive listing) (On the inventory, or in compliance with the inventory) |
| **China. Inventory of Existing Chemical Substances in China (IECSC)** | : | y (positive listing) (On the inventory, or in compliance with the inventory) |

SECTION 16. OTHER INFORMATION**Further information**

**NFPA:**




**HMIS III:**

| | |
|---|---|
| **HEALTH** | **2*** |
| **FLAMMABILITY** | **3** |
| **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:**
16056824, 16056823, 16056822, 16056821, 16056820

| **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 |
| EOSCA | European Oilfield Specialty Chemicals Association | PEL | Permissible Exposure Limit |
| EINECS | European Inventory of Existing Chemical Substances | PICCS | Philipines 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 Compositon, Complex Reaction Products, and |

| | | | |
|---|---|---|---|
| | | | Biological Materials |
| <= | Less Than or Equal To | WHMIS | Workplace Hazardous Materials Information System |
| LC50 | | Lethal Concentration 50% | |