



## Safety Data Sheet Startex Denatured Alcohol

Version 1.2

Revision Date: 03/20/2017

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : Startex Denatured Alcohol

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

Recommended use : Alcohol solvent

#### 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](mailto:msds@nexeosolutions.com)  
SDS Requests: 1-855-429-2661  
SDS Requests Fax: 1-281-500-2370  
Website: [www.nexeosolutions.com](http://www.nexeosolutions.com)

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 2

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 4

Acute toxicity (Dermal) : Category 4

Eye irritation : Category 2A

Carcinogenicity : Category 2

Reproductive toxicity : Category 2

Specific target organ toxicity : Category 1 (Eyes, Central nervous system)  
- single exposure

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

#### GHS Label element

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Hazard pictograms



Signal word

: Danger

Hazard statements

: H225 Highly flammable liquid and vapour.  
H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled  
H319 Causes serious eye irritation.  
H335 + H336 May cause respiratory irritation, and drowsiness or dizziness.  
H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.  
H371 May cause damage to organs.

Precautionary statements

: **Prevention:**  
P201 Obtain special instructions before use.  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P242 Use only non-sparking tools.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P202 Do not handle until all safety precautions have been read and understood.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P270 Do not eat, drink or smoke when using this product.  
P281 Use personal protective equipment as required.  
P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.  
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.  
P307 + P311 IF exposed: Call a POISON CENTER or doctor/ physician.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
P363 Wash contaminated clothing before reuse.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.



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P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Disposal:**

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

**Other hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Hazardous components**

CAS-No.	Chemical Name	Weight %
64-17-5	Ethanol	70 - 90
67-56-1	Methanol	20 - 30
141-78-6	Ethyl acetate	1 - 5
64742-49-0	Naphtha (petroleum), hydrotreated light	0.1 - 1
64742-89-8	Solvent naphtha (pet), lt aliph.	0.1 - 1
142-82-5	Heptane	0.1 - 1

Any Concentration shown as a range is due to batch variation.

### SECTION 4. FIRST AID MEASURES

General advice : Show this safety data sheet to the doctor in attendance.

If inhaled : If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.

In case of eye contact : Flush eyes with water as a precaution.  
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.  
Take victim immediately to hospital.  
Do not induce vomiting without medical advice.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)

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	Dry chemical
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire-fighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: Carbon oxides
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.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

#### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
Advice on safe handling	: Avoid formation of aerosol.

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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.  
 Container may be opened only under exhaust ventilation hood.  
 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 (Form of exposure)	Control parameters / Permissible concentration	Basis
64-17-5	Ethanol	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA P0
		STEL	1,000 ppm	ACGIH
67-56-1	Methanol	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 260 mg/m <sup>3</sup>	NIOSH REL
		ST	250 ppm 325 mg/m <sup>3</sup>	NIOSH REL
		TWA	200 ppm 260 mg/m <sup>3</sup>	OSHA Z-1
		STEL	250 ppm 325 mg/m <sup>3</sup>	OSHA P0
		TWA	200 ppm 260 mg/m <sup>3</sup>	OSHA P0
141-78-6	Ethyl acetate	TWA	400 ppm	ACGIH
		TWA	400 ppm 1,400 mg/m <sup>3</sup>	NIOSH REL

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		TWA	400 ppm 1,400 mg/m <sup>3</sup>	OSHA Z-1
		TWA	400 ppm 1,400 mg/m <sup>3</sup>	OSHA P0
64742-49-0	Naphtha (petroleum), hydrotreated light	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	400 ppm 1,600 mg/m <sup>3</sup>	OSHA P0
64742-89-8	Solvent naphtha (pet), lt aliph.	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	400 ppm 1,600 mg/m <sup>3</sup>	OSHA P0
142-82-5	Heptane	TWA	85 ppm 350 mg/m <sup>3</sup>	NIOSH REL
		C	440 ppm 1,800 mg/m <sup>3</sup>	NIOSH REL
		TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	400 ppm 1,600 mg/m <sup>3</sup>	OSHA P0
		STEL	500 ppm 2,000 mg/m <sup>3</sup>	OSHA P0

#### Personal protective equipment

Respiratory protection : 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

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 : colourless, white

Odour : ester-like

Odour Threshold : No data available



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pH	: No data available
Freezing Point (Melting point/freezing point)	: No data available
Boiling Point (Boiling point/boiling range)	: 63 - 79 °C (145 - 174 °F)
Flash point	: -1 °C (30 °F) Method: Tag closed cup
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: 4.9 %(V)
Vapour pressure	: 1.0830 PSI @ 20 °C (68 °F)
Relative vapour density	: 1.5(Air = 1.0)
Relative density	: 0.797Reference substance: (water = 1)
Density	: No data available
Solubility(ies) Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: 293 °C
Thermal decomposition	: No data available
VOC	: 100.0 % / 786.06 g/l / 6.56 lb/gal
Non VOC	: 0.00 % / 0.00 g/l / 0.00 lb/gal
VOC Vapor Pressure	: 1.0830 PSI
Hazardous Air Pollutants (HAPS)	: 19.9 % / 156.27 g/l / 1.30 lb/gal

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.



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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	: Alkali metals Ammonia Oxidizing agents peroxides Strong acids
Hazardous decomposition products	: Carbon oxides

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

###### Product:

Acute oral toxicity	: Acute toxicity estimate: 422.91 mg/kg
Acute inhalation toxicity	: Acute toxicity estimate: 12.69 mg/l Exposure time: 4 h Test atmosphere: vapour
Acute dermal toxicity	: Acute toxicity estimate: 1,269 mg/kg

###### Components:

###### 67-56-1:

Acute oral toxicity	: LDLo (Humans): 143 mg/kg Assessment: The component/mixture is toxic after single ingestion.
Acute inhalation toxicity	: Assessment: The component/mixture is toxic after short term inhalation. Remarks: Supporting toxicological evidence is limited for this classification. This harmonized classification will replace the indicated classification due to industry leaders and the EU Harmonized Classification (Annex VII).
Acute dermal toxicity	: LDLo (Monkey): 393 mg/kg Assessment: The component/mixture is toxic after single contact with skin.

##### Skin corrosion/irritation

###### Components:

###### 64742-49-0:





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Species: Rabbit  
Result: Irritating to skin.

**64742-89-8:**  
Species: Rabbit  
Exposure time: 4 h  
Result: Irritating to skin.

**142-82-5:**  
Species: Rabbit  
Exposure time: 24 h  
Result: Irritating to skin.  
Remarks: Based on a similar product formulation.

### Serious eye damage/eye irritation

**Product:**  
Result: Irritating to eyes.

### Components:

**64-17-5:**  
Species: Rabbit  
Result: Irritating to eyes.

**141-78-6:**  
Species: Rabbit  
Result: Irritating to eyes.

### Germ cell mutagenicity

#### Components:

**64742-89-8:**  
Germ cell mutagenicity - Assessment : Mutagenicity classification not possible from current data

### Carcinogenicity

#### Components:

**64742-89-8:**  
Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**IARC** Group 2B: Possibly carcinogenic to humans

64742-49-0	Naphtha (petroleum), hydrotreated light
64742-89-8	Solvent naphtha (pet), It aliph.

**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.



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**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.

**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.

#### Reproductive toxicity

##### Components:

###### **64742-89-8:**

Reproductive toxicity - Assessment

Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

Teratogenicity - Assessment : Embryotoxicity classification not possible from current data.

#### STOT - single exposure

##### Components:

###### **67-56-1:**

Target Organs: Eyes, Central nervous system

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.

###### **141-78-6:**

Exposure routes: Inhalation

Target Organs: Central nervous system

Assessment: May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

###### **64742-49-0:**

Target Organs: Central nervous system

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

###### **64742-89-8:**

Target Organs: Central nervous system

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

###### **142-82-5:**

Target Organs: Central nervous system

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

#### Aspiration toxicity

##### Components:

###### **64742-49-0:**

Aspiration Toxicity - Category 1



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#### 64742-89-8:

May be fatal if swallowed and enters airways.

#### 142-82-5:

May be fatal if swallowed and enters airways.

#### Further information

##### Product:

Remarks: Solvents may degrease the skin.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### 64742-49-0:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 10 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4.5 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 3.71 mg/l  
Exposure time: 96 h

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

##### 64742-89-8:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 8.2 mg/l  
Exposure time: 96 h  
Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4.5 mg/l  
Exposure time: 48 h  
Test Type: Immobilization

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 3.7 mg/l  
Exposure time: 96 h  
Test Type: static test

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

##### 142-82-5:

Toxicity to fish : LC50 (Carassius auratus (goldfish)): 4 mg/l  
Exposure time: 24 h



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- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.5 mg/l  
Exposure time: 48 h  
Test Type: static test
- Toxicity to fish (Chronic toxicity) : NOELR (Oncorhynchus mykiss (rainbow trout)): 1.284 mg/l  
Exposure time: 28 d
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.17 mg/l  
Exposure time: 21 d
- Acute aquatic toxicity- Assessment : Very toxic to aquatic life.
- Chronic aquatic toxicity- Assessment : Very toxic to aquatic life with long lasting effects.

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

##### Product:

- Ozone-Depletion Potential : 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.  
Harmful 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.



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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.

### SECTION 14. TRANSPORT INFORMATION

#### DOT (Department of Transportation):

UN1987, ALCOHOLS, N.O.S., (ETHANOL, METHANOL), 3, II

#### IATA (International Air Transport Association):

UN1987, ALCOHOLS, N.O.S., (ETHANOL, METHANOL) , 3, II

#### IMDG (International Maritime Dangerous Goods):

UN1987, ALCOHOLS, N.O.S., (ETHANOL, METHANOL), 3, II, Flash Point:-1 °C(30 °F)

### SECTION 15. REGULATORY INFORMATION

**WHMIS Classification** : B2: Flammable liquid  
D1B: 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

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Methanol	67-56-1	5000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

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

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

**SARA 311/312 Hazards** : Fire Hazard  
Chronic (Delayed) Health 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:

67-56-1 Methanol

##### Clean Air Act

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

67-56-1 Methanol



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110-54-3	Hexane
108-88-3	Toluene
100-41-4	Ethylbenzene
71-43-2	Benzene

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):

64-17-5	Ethanol
67-56-1	Methanol
141-78-6	Ethyl acetate
110-82-7	Cyclohexane
108-88-3	Toluene
100-41-4	Ethylbenzene
71-43-2	Benzene

### Clean Water Act

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

110-82-7	Cyclohexane
108-88-3	Toluene
100-41-4	Ethylbenzene
71-43-2	Benzene

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

110-82-7	Cyclohexane
108-88-3	Toluene
100-41-4	Ethylbenzene
71-43-2	Benzene

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

64-17-5	Ethanol	70 - 90 %
67-56-1	Methanol	20 - 30 %
141-78-6	Ethyl acetate	1 - 5 %

#### Pennsylvania Right To Know

64-17-5	Ethanol	70 - 90 %
67-56-1	Methanol	20 - 30 %
141-78-6	Ethyl acetate	1 - 5 %
110-82-7	Cyclohexane	0 - 0.1 %

#### New Jersey Right To Know

64-17-5	Ethanol	70 - 90 %
67-56-1	Methanol	20 - 30 %
141-78-6	Ethyl acetate	1 - 5 %

#### California Prop 65

	WARNING! This product contains a chemical known to the State of California to cause cancer.
100-41-4	Ethylbenzene
71-43-2	Benzene
	WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
67-56-1	Methanol



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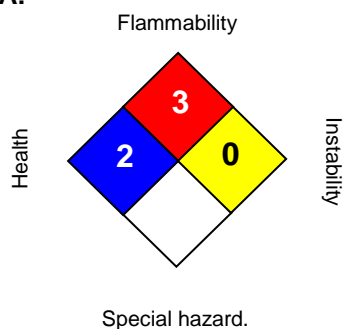
108-88-3 Toluene  
71-43-2 Benzene

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

- TSCA : On TSCA Inventory
- DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.
- AICS : On the inventory, or in compliance with the inventory
- NZIoC : On the inventory, or in compliance with the inventory
- ENCS : On the inventory, or in compliance with the inventory
- KECI : On the inventory, or in compliance with the inventory
- PICCS : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory

## SECTION 16. OTHER 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.

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### Material number:

16109579, 16066726, 16066709, 16061938, 16066729, 16066728, 16066727, 16066706, 16066708, 16066707, 16066705, 16056002, 16056003, 16056001, 16056000, 16055999,



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16055998, 16055997

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	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%