



Safety Data Sheet Startex Lacquer Thinner

Version 1.5

Revision Date: 05/19/2017

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Startex Lacquer 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 2

Acute toxicity (Inhalation) : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

Reproductive toxicity : Category 2

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

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

Specific target organ toxicity - repeated exposure : Category 2 (Central nervous system, Peripheral nervous system)

Specific target organ toxicity - repeated exposure (Inhalation) : Category 2 (Auditory system, Eyes)

Aspiration hazard : Category 1

GHS Label element

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Hazard pictograms



Signal word

: Danger

Hazard statements

: H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H370 Causes damage to organs.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

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.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ 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): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307 + P311 IF exposed: Call a POISON CENTER or doctor/ physician.
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.

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P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

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

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

P405 Store locked up.

Disposal:

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

Other hazards

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 6.765 %

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

| CAS-No. | Chemical Name | Weight % |
|--|--|----------|
| 108-88-3 | Toluene | 30 - 50 |
| 68410-97-9 / 64742-49-0 / 64742-89-8 | Distillates, pet, It dist hydrotreat process, low-boil AND/OR Naphtha (pet), hydrotreated It AND/OR Solvent naphtha (pet), It aliph. | 20 - 30 |
| 67-64-1 | Acetone | 10 - 20 |
| 142-82-5 | **Heptane | 5 - 10 |
| 111-76-2 | 2-Butoxy ethanol | 1 - 5 |
| 67-56-1 | Methanol | 1 - 5 |
| 78-93-3 | Methyl ethyl ketone | 1 - 5 |

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

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Symptoms of poisoning may appear several hours later.
Do not leave the victim unattended.
- If inhaled : Call a physician or poison control centre immediately.
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.



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- 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
Carbon dioxide (CO₂)
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 : No hazardous combustion products are known
- Specific extinguishing methods : Use a water spray to cool fully closed containers.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.

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.



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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| CAS-No. | Components | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|----------|------------|-------------------------------|--|-----------|
| 108-88-3 | Toluene | TWA | 20 ppm | ACGIH |
| | | TWA | 100 ppm 375 mg/m ³ | NIOSH REL |
| | | ST | 150 ppm | NIOSH REL |



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| | | | | |
|--|--|------|--------------------------|-----------|
| | | | 560 mg/m3 | |
| | | TWA | 200 ppm | OSHA Z-2 |
| | | CEIL | 300 ppm | OSHA Z-2 |
| | | Peak | 500 ppm | OSHA Z-2 |
| | | TWA | 100 ppm 375 mg/m3 | OSHA P0 |
| | | STEL | 150 ppm 560 mg/m3 | OSHA P0 |
| 68410-97-9 / 64742-49-0 / 64742-89-8 | Distillates, pet, lt dist hydrotreat process, low-boil AND/OR Naphtha (pet), hydrotreated lt AND/OR Solvent naphtha (pet), lt aliph. | TWA | 500 ppm 2,000 mg/m3 | OSHA Z-1 |
| | | TWA | 400 ppm 1,600 mg/m3 | OSHA P0 |
| 67-64-1 | Acetone | TWA | 250 ppm | ACGIH |
| | | STEL | 500 ppm | ACGIH |
| | | TWA | 250 ppm 590 mg/m3 | NIOSH REL |
| | | TWA | 1,000 ppm 2,400 mg/m3 | OSHA Z-1 |
| | | TWA | 750 ppm 1,800 mg/m3 | OSHA P0 |
| | | STEL | 1,000 ppm 2,400 mg/m3 | OSHA P0 |
| 142-82-5 | **Heptane | TWA | 85 ppm 350 mg/m3 | NIOSH REL |
| | | C | 440 ppm 1,800 mg/m3 | NIOSH REL |
| | | TWA | 500 ppm 2,000 mg/m3 | OSHA Z-1 |
| | | TWA | 400 ppm 1,600 mg/m3 | OSHA P0 |
| | | STEL | 500 ppm 2,000 mg/m3 | OSHA P0 |
| | | TWA | 400 ppm | ACGIH |
| | | STEL | 500 ppm | ACGIH |
| 111-76-2 | 2-Butoxy ethanol | TWA | 20 ppm | ACGIH |
| | | TWA | 5 ppm 24 mg/m3 | NIOSH REL |
| | | TWA | 50 ppm 240 mg/m3 | OSHA Z-1 |
| | | TWA | 25 ppm 120 mg/m3 | OSHA P0 |
| 67-56-1 | Methanol | TWA | 200 ppm | ACGIH |
| | | STEL | 250 ppm | ACGIH |
| | | TWA | 200 ppm 260 mg/m3 | NIOSH REL |
| | | ST | 250 ppm 325 mg/m3 | NIOSH REL |
| | | TWA | 200 ppm 260 mg/m3 | OSHA Z-1 |
| | | STEL | 250 ppm | OSHA P0 |

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| | | | | |
|---------|---------------------|------|----------------------------------|-----------|
| | | | 325 mg/m ³ | |
| | | TWA | 200 ppm 260 mg/m ³ | OSHA P0 |
| 78-93-3 | Methyl ethyl ketone | TWA | 200 ppm | ACGIH |
| | | STEL | 300 ppm | ACGIH |
| | | TWA | 200 ppm 590 mg/m ³ | NIOSH REL |
| | | ST | 300 ppm 885 mg/m ³ | NIOSH REL |
| | | TWA | 200 ppm 590 mg/m ³ | OSHA Z-1 |
| | | TWA | 200 ppm 590 mg/m ³ | OSHA P0 |
| | | STEL | 300 ppm 885 mg/m ³ | OSHA P0 |

Personal protective equipment

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 : Avoid contact with skin, eyes and clothing.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and immediately after handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : Clear, Colorless

Odour : solvent-like

Odour Threshold : No data available

pH : No data available

Freezing Point : No data available

Boiling Point (Boiling) : 56 - 172 °C (133 - 342 °F)



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point/boiling range)

| | |
|--|---|
| Flash point | : -16 °C (3 °F) Method: Tag closed cup |
| Evaporation rate | : 1.4 (Butyl Acetate = 1) |
| Flammability (solid, gas) | : No data available |
| Upper explosion limit | : No data available |
| Lower explosion limit | : 1.8 %(V) |
| Vapour pressure | : 1.1589 PSI @ 20 °C (68 °F) |
| Relative vapour density | : 2.7(Air = 1.0) |
| Relative density | : 0.817 @ 20 - 25 °C (68 - 77 °F) Reference substance: (water = 1) |
| Density | : No data available |
| Water solubility | : No data available |
| Solubility in other solvents | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Auto-ignition temperature | : 290 °C |
| Thermal decomposition | : No data available |
| VOC | : 80.4 % / 657.12 g/l / 5.45 lb/gal |
| Non VOC | : 19.6 % / 160.09 g/l / 1.34 lb/gal |
| VOC Vapor Pressure | : 0.9319 PSI @ 20 °C (68 °F) |
| Hazardous Air Pollutants (HAPS) | : 51.5 % / 338.22 g/l / 2.82 lb/gal |

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. |



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Incompatible materials : Strong oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: 2,504 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: 2641 ppm
Exposure time: 4 h
Test atmosphere: gas

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg

Components:

111-76-2:

Acute oral toxicity : LD50 (Rat): 745 mg/kg
Assessment: The component/mixture is moderately toxic after single ingestion.

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:

108-88-3:

Species: Rabbit
Exposure time: 4 h
Result: Irritating to skin.

68410-97-9 / 64742-49-0 / 64742-89-8:

Species: Rabbit
Exposure time: 4 h
Result: Irritating to skin.



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Serious eye damage/eye irritation

Components:

108-88-3:

Species: Rabbit
Result: Irritating to eyes.

67-64-1:

Species: Rabbit
Result: Irritating to eyes.
Exposure time: 24 h

111-76-2:

Species: Rabbit
Result: Irritating to eyes.

78-93-3:

Species: Rabbit
Result: Irritating to eyes.
Exposure time: 24 h

Germ cell mutagenicity

Components:

108-88-3:

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

68410-97-9 / 64742-49-0 / 64742-89-8:

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

Carcinogenicity

Components:

108-88-3:

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

68410-97-9 / 64742-49-0 / 64742-89-8:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

IARC

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

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

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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:

108-88-3:

Effects on foetal development : Species: Rat
Application Route: inhalation (vapour)
Dose: 0, 250, 750, 1500, 3000 ppm
Duration of Single Treatment: 10 d
Frequency of Treatment: 6 hr/day
General Toxicity Maternal: NOAEC: 750 ppm
Developmental Toxicity: NOAEC: 750 ppm
Symptoms: Maternal toxicity, Reduced body weight, Skeletal malformations

Teratogenicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

Reproductive toxicity - Assessment : No toxicity to reproduction

68410-97-9 / 64742-49-0 / 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:

108-88-3:

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.

68410-97-9 / 64742-49-0 / 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.

67-64-1:

Exposure routes: Inhalation
Target Organs: Central nervous system



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

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.

78-93-3:

Target Organs: Central nervous system

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

STOT - repeated exposure

Components:

108-88-3:

Exposure routes: Inhalation

Target Organs: Auditory system, Eyes

Assessment: 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.

Aspiration toxicity

Components:

108-88-3:

May be fatal if swallowed and enters airways.

68410-97-9 / 64742-49-0 / 64742-89-8:

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.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

108-88-3:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5.5 mg/l
Exposure time: 96 h
Test Type: flow-through test

Toxicity to daphnia and other : LC50 (Ceriodaphnia dubia): 3.78 mg/l

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| | |
|--|--|
| aquatic invertebrates | Exposure time: 48 h Test Type: Renewal |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : NOEC: 0.74 mg/l Exposure time: 7 d |
| Acute aquatic toxicity- Assessment | : Toxic to aquatic life. |
| Chronic aquatic toxicity- Assessment | : Harmful to aquatic life with long lasting effects. |
| 68410-97-9 / 64742-49-0 / 64742-89-8: | |
| Toxicity to fish | : LC50 (Oncorhynchus mykiss (rainbow trout)): 10 mg/l Exposure time: 96 h LC50 (Oncorhynchus mykiss (rainbow trout)): 8.2 mg/l Exposure time: 96 h Test Type: semi-static test LC50 (Pimephales promelas (fathead minnow)): 8.2 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 Test Type: Immobilization |
| Toxicity to algae | : EC50 (Pseudokirchneriella subcapitata (green algae)): 3.1 mg/l Exposure time: 72 h EC50 (Pseudokirchneriella subcapitata (green algae)): 3.7 mg/l Exposure time: 96 h Test Type: static test |
| Toxicity to fish (Chronic toxicity) | : NOELR (Pimephales promelas (fathead minnow)): 2.6 mg/l Exposure time: 14 d |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : NOELR (Daphnia magna (Water flea)): 2.6 mg/l Exposure time: 21 d |
| Chronic aquatic toxicity- Assessment | : Toxic to aquatic life with long lasting effects. |

Persistence and degradability

No data available

Bioaccumulative potential

Components:

108-88-3:

Partition coefficient: n- : log Pow: 2.73 (20 °C)



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octanol/water pH: 7

68410-97-9 / 64742-49-0 / 64742-89-8:

Partition coefficient: n-octanol/water : log Pow: 2.13 - 4.85 (25 °C)

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.
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.

Dispose of in accordance with all applicable local, state and federal regulations.
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922.

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

SECTION 14. TRANSPORT INFORMATION

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



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IATA (International Air Transport Association):

UN1263, PAINT RELATED MATERIAL, 3, II

IMDG (International Maritime Dangerous Goods):

UN1263, PAINT RELATED MATERIAL, 3, II, Marine Pollutant (TOLUENE, MIXTURE OF PETROLEUM DISTILLATES) , Flash Point:-16 °C(3 °F)

SECTION 15. REGULATORY INFORMATION

WHMIS Classification : B2: Flammable liquid
D1A: Very Toxic Material Causing Immediate and Serious Toxic Effects
D1B: Toxic Material Causing Immediate and Serious Toxic Effects
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) |
|------------|----------|--------------------|-----------------------------|
| Toluene | 108-88-3 | 1000 | 2081 |

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

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

| | |
|----------|------------------|
| 108-88-3 | Toluene |
| 111-76-2 | 2-Butoxy ethanol |
| 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):

| | |
|----------|----------|
| 108-88-3 | Toluene |
| 67-56-1 | Methanol |

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

| | |
|----------|---------|
| 108-88-3 | Toluene |
| 67-64-1 | Acetone |



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| | |
|----------|---------------------|
| 111-76-2 | 2-Butoxy ethanol |
| 67-56-1 | Methanol |
| 78-93-3 | Methyl ethyl ketone |

Clean Water Act

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

| | |
|----------|---------------|
| 108-88-3 | Toluene |
| 110-82-7 | **Cyclohexane |
| 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:

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

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

| | |
|----------|---------|
| 108-88-3 | Toluene |
|----------|---------|

US State Regulations

Massachusetts Right To Know

| | | |
|----------|---------------------|-----------|
| 108-88-3 | Toluene | 30 - 50 % |
| 67-64-1 | Acetone | 10 - 20 % |
| 142-82-5 | **Heptane | 5 - 10 % |
| 111-76-2 | 2-Butoxy ethanol | 1 - 5 % |
| 67-56-1 | Methanol | 1 - 5 % |
| 78-93-3 | Methyl ethyl ketone | 1 - 5 % |
| 71-43-2 | Benzene | 0 - 0.1 % |

Pennsylvania Right To Know

| | | |
|--|---|-----------|
| 108-88-3 | Toluene | 30 - 50 % |
| 68410-97-9 / 64742-49-0 / 64742-89-8 | Distillates, pet, It dist hydrotreat process, low-boil AND/OR Naphtha (pet), hy- drotreated It AND/OR Solvent naphtha (pet), It aliph. | 20 - 30 % |
| 67-64-1 | Acetone | 10 - 20 % |
| 142-82-5 | **Heptane | 5 - 10 % |
| 111-76-2 | 2-Butoxy ethanol | 1 - 5 % |
| 67-56-1 | Methanol | 1 - 5 % |
| 78-93-3 | Methyl ethyl ketone | 1 - 5 % |
| 110-82-7 | **Cyclohexane | 0.1 - 1 % |
| 71-43-2 | Benzene | 0 - 0.1 % |
| 100-41-4 | Ethylbenzene | 0 - 0.1 % |

New Jersey Right To Know

| | | |
|--|---|-----------|
| 108-88-3 | Toluene | 30 - 50 % |
| 68410-97-9 / 64742-49-0 / 64742-89-8 | Distillates, pet, It dist hydrotreat process, low-boil AND/OR Naphtha (pet), hy- drotreated It AND/OR Solvent naphtha (pet), It aliph. | 20 - 30 % |
| 67-64-1 | Acetone | 10 - 20 % |
| 142-82-5 | **Heptane | 5 - 10 % |
| 111-76-2 | 2-Butoxy ethanol | 1 - 5 % |

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| | | |
|---------|---------------------|---------|
| 67-56-1 | Methanol | 1 - 5 % |
| 78-93-3 | Methyl ethyl ketone | 1 - 5 % |

California Prop 65

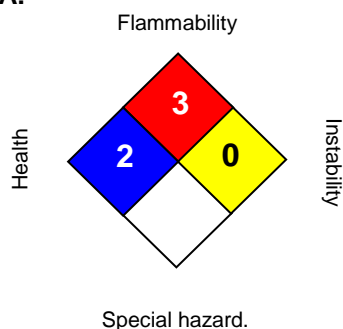
| | |
|----------|---|
| | WARNING! This product contains a chemical known to the State of California to cause cancer. |
| 100-41-4 | Ethylbenzene |
| 71-43-2 | Benzene |
| 98-82-8 | Cumene |
| | WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. |
| 108-88-3 | Toluene |
| 67-56-1 | Methanol |
| 71-43-2 | Benzene |

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

| | |
|-------|--|
| TSCA | : On TSCA Inventory |
| DSL | : All components of this product are on the Canadian DSL |
| AICS | : On the inventory, or in compliance with the inventory |
| NZIoC | : On the inventory, or in compliance with the inventory |
| ENCS | : Not 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



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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.

Revision Date : 05/19/2017

Material number:

16067620, 16067619, 16067618, 16067617, 16067616, 16067615, 16057350, 16057349, 16057347, 16057346, 16057345, 16057344, 16057343

| 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% |