SDS NA Template

Nexeo SDS NA TemplateVer 0.0

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

|  |  |  |
| --- | --- | --- |
| **Product name** | : | Mineral Spirits 66 7.5% |
| **Product Use Description** | : | SOLVENT |

**Manufacturer or supplier's details**

|  |  |  |
| --- | --- | --- |
| **Company** | : | Nexeo Solutions LLC |
| **Address** |  | 3 Waterway Square Place Suite 1000Woodlands, Tx. 77380United 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 GroupE-Mail: msds@nexeosolutions.comSDS Requests: 1-855-429-2661SDS Requests Fax: 1-281-500-2370Website: www.nexeosolutions.com |

SECTION 2. HAZARDS IDENTIFICATION

GHS (NA)

GHS Classification

|  |  |  |
| --- | --- | --- |
| Flammable liquids | : | Category 3 |
| Skin irritation | : | Category 2 |
| Specific target organ toxicity - single exposure | : | Category 3 (Central nervous system) |
| Specific target organ toxicity - repeated exposure | : | Category 2 (Liver, Kidney, Central nervous system) |
| 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.H315 Causes skin irritation.H336 May cause drowsiness or dizziness. |
| Precautionary statements | : | **Prevention:** P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.P264 Wash skin thoroughly after handling.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.P314 Get medical advice/ attention if you feel unwell.P331 Do NOT induce vomiting.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.**Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant. |

Potential Health Effects

Carcinogenicity:

|  |  |
| --- | --- |
| **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. |

|  |  |
| --- | --- |
| **ACGIH**  | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |

|  |  |
| --- | --- |
| **OSHA** | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |

|  |  |
| --- | --- |
| **NTP**  | 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. |

\*\*\*\*\*\*Start of Editing by C755445 for GHS\*\*\*\*\*

Emergency Overview

|  |  |
| --- | --- |
| Appearance  | liquid |
| Colour  | clear, transparent |
| Odour  | characteristic, hydrocarbon-like, solvent-like |
| Hazard Summary | No information available. |

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Output for other countries than US, CA, MX starting here:

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Init R-phrase collection for output in chapter 16---Edited for Customizing for GHS – C755445 .

|  |  |  |
| --- | --- | --- |
| Substance / Mixture | : | Mixture |

Hazardous components

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

Attention: the following table has four columns!

|  |  |  |  |
| --- | --- | --- | --- |
| 64742-47-8 | Distillates (pet), hydrotreated light | 0 |  - 100 |

Attention: the following table has four columns!

|  |  |  |  |
| --- | --- | --- | --- |
| 64742-88-7 | Solvent naphtha (pet), med aliph. | 0 |  - 100 |

Attention: the following table has four columns!

|  |  |  |  |
| --- | --- | --- | --- |
| 1330-20-7 | Mixed xylenes | 1 |  - 5 |

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|  |  |  |
| --- | --- | --- |
| **Synonyms** | : | Petroleum hydrocarbon solvent, Mineral Spirits, Stoddard Solvent, Hydrotreated light distillate, Medium Aliphatic Solvent Naphtha**,**  |
| **Special Notes:** | : | Functionally equivalent petroleum streams may be found in this preparation at varying concentrations.  |

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SECTION 4. FIRST AID MEASURES

|  |  |  |
| --- | --- | --- |
| [General advice] | [:] | Consult a physician.Show this safety data sheet to the doctor in attendance.Symptoms of poisoning may appear several hours later. |

|  |  |  |
| --- | --- | --- |
| 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  | : | Take victim immediately to hospital.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.Do NOT induce vomiting.Never give anything by mouth to an unconscious person.Take victim immediately to hospital. |

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SECTION 5. FIREFIGHTING MEASURES

Output of “Flammable properties” for Columbia and Costa Rica

Output of “Flammable properties” for CIS states (Belarus, Georgia, Kazakhstan, Kyrgyzstan, Russian Federation, Ukraine) added

|  |  |  |
| --- | --- | --- |
| Suitable extinguishing media  | : | Alcohol-resistant foamCarbon dioxide (CO2)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.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. |

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**NFPA Flammable and Combustible Liquids Classification**:

Combustible Liquid Class II

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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). |

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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 | : | 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. |

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

Check Occupational Exposure Limits (A/P)

Check Occupational Exposure Limits

Check Occupational Exposure Limits (Europe)

Check Occupational Exposure Limits (LA)

Check Occupational Exposure Limits (NA) – canadian and mexican OELs

Check Occupational Exposure Limits (NA) – US OELs

Occupational Exposure Limits (Europe) from Russia for CIS

Occupational Exposure Limits (Europe) for CIS

Check Occupational Exposure Limits (A/P)

Check Occupational Exposure Limits

Check Occupational Exposure Limits (Europe)

Check Occupational Exposure Limits (LA)

Check Occupational Exposure Limits (NA) – canadian and mexican OELs

Check Occupational Exposure Limits (NA) – US OELs

Occupational Exposure Limits (Europe) from Russia for CIS

Occupational Exposure Limits (Europe) for CIS

Check Occupational Exposure Limits (A/P)

Check Occupational Exposure Limits

Check Occupational Exposure Limits (Europe)

Check Occupational Exposure Limits (LA)

Check Occupational Exposure Limits (NA) – canadian and mexican OELs

Check Occupational Exposure Limits (NA) – US OELs

Occupational Exposure Limits (Europe) from Russia for CIS

Occupational Exposure Limits (Europe) for CIS

[

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CAS-No. | Components | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |

]

Occupational Exposure Limits (A/P)

Occupational Exposure Limits

Occupational Exposure Limits (LA)

Occupational Exposure Limits (Europe) from Russia for CIS

Occupational Exposure Limits (Europe) for CIS

Occupational Exposure Limits (Europe)

Occupational Exposure Limits (NA) – section for output of US OELs (for US and MX)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 64742-47-8 | Distillates (pet), hydrotreated light | TWA | 500 ppm2,000 mg/m3  | OSHA Z-1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | TWA | 200 mg/m3 (as total hydrocarbon vapor) | ACGIH |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | TWA | 400 ppm1,600 mg/m3  | OSHA P0 |

Occupational Exposure Limits (A/P)

Occupational Exposure Limits

Occupational Exposure Limits (LA)

Occupational Exposure Limits (Europe) from Russia for CIS

Occupational Exposure Limits (Europe) for CIS

Occupational Exposure Limits (Europe)

Occupational Exposure Limits (NA) – section for output of US OELs (for US and MX)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 64742-88-7 | Solvent naphtha (pet), med aliph. | TWA | 500 ppm2,000 mg/m3  | OSHA Z-1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | TWA | 200 mg/m3 (as total hydrocarbon vapor) | ACGIH |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | TWA | 400 ppm1,600 mg/m3  | OSHA P0 |

Occupational Exposure Limits (A/P)

Occupational Exposure Limits

Occupational Exposure Limits (LA)

Occupational Exposure Limits (Europe) from Russia for CIS

Occupational Exposure Limits (Europe) for CIS

Occupational Exposure Limits (Europe)

Occupational Exposure Limits (NA) – section for output of US OELs (for US and MX)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1330-20-7 | Mixed xylenes | TWA | 100 ppm  | ACGIH |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | STEL | 150 ppm  | ACGIH |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | TWA | 100 ppm435 mg/m3  | OSHA Z-1 |

**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 waterTightly fitting safety goggles |
| [Skin and body protection]  | [:] | impervious clothingChoose 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. |

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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|  |  |  |
| --- | --- | --- |
| Appearance  | : | liquid |

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|  |  |  |
| --- | --- | --- |
| Colour  | :  | clear, transparent  |

|  |  |  |
| --- | --- | --- |
|  Odour  | :  | characteristic, hydrocarbon-like, solvent-like  |

|  |  |  |
| --- | --- | --- |
| [Odour Threshold]  | [:]  | No data available |

|  |  |  |
| --- | --- | --- |
| pH | : | not applicable  |

|  |  |  |
| --- | --- | --- |
| Freezing Point Freezing Point | [:] | No data available |

|  |  |  |
| --- | --- | --- |
| Boiling Point (Boiling point/boiling range)Boiling Point | : | 149 - 213 °C (300 - 415 °F) |

|  |  |  |
| --- | --- | --- |
| Flash point  | : | 40 - 46 °C (104 - 115 °F)\*\*\*Start of Commenting for GHS customization\*\*\*C755445 |

|  |  |  |
| --- | --- | --- |
| [Evaporation rate]  | [:]  | No data available  |
| [Flammability (solid, gas)] | [:] | No data available |
| [Burning rate] | [:] | No data available  |

|  |  |  |
| --- | --- | --- |
| Upper explosion limit | : | \*\*\*Start of Commenting for GHS customization\*\*\*C755445\*\*\*End of Commenting for GHS customization\*\*\*C7554456 %(V) |

|  |  |  |
| --- | --- | --- |
| Lower explosion limit | : | \*\*\*Start of Commenting for GHS customization\*\*\*C755445\*\*\*End of Commenting for GHS customization\*\*\*C7554450.6 %(V) |

|  |  |  |
| --- | --- | --- |
| Vapour pressure  | : | < 1 mmHg @ 20 °C (68 °F) |

|  |  |  |
| --- | --- | --- |
| Relative vapour density  | : | 5 |

|  |  |  |
| --- | --- | --- |
| Relative density | : | 0.77 - 0.79 @ 15 °C (59 °F)Reference substance: (water = 1) |
| Density | : | No data available |

|  |  |  |
| --- | --- | --- |
| [Bulk density] | [:] | No data available |

Solubility(ies)

|  |  |  |
| --- | --- | --- |
|  Water solubility  | : | insoluble  |

|  |  |  |
| --- | --- | --- |
|  Solubility in other solvents  | : | solubleSolvent: Hydrocarbons |

|  |  |  |
| --- | --- | --- |
| [Partition coefficient: n-octanol/water]  | [:] | No data available |

|  |  |  |
| --- | --- | --- |
| Auto-ignition temperature | : | 230 - 270 °C |
| [Thermal decomposition]  | [:]  | No data available |

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|  |  |  |
| --- | --- | --- |
|  | : |  |

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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 | :  | Vapours may form explosive mixture with air. |
| Conditions to avoid | : | Heat, flames and sparks. |
| Incompatible materials | :  | Oxidizing agentsStrong acidsstrong alkalisChlorineOxygen |

|  |  |  |
| --- | --- | --- |
| [Hazardous decomposition products] | [:] | Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). |

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SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

Product:

|  |  |  |
| --- | --- | --- |
| Acute oral toxicity | :  | Acute toxicity estimate : > 5,000 mg/kgMethod: Calculation method |

|  |  |  |
| --- | --- | --- |
| Acute inhalation toxicity | :  | Acute toxicity estimate : > 30000 ppmExposure time: 4 hTest atmosphere: gasMethod: Calculation method |

|  |  |  |
| --- | --- | --- |
| Acute dermal toxicity | :  | Acute toxicity estimate : > 5,000 mg/kgMethod: Calculation method |

**Components:**

**64742-47-8:**

|  |  |  |
| --- | --- | --- |
| 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/kgMethod: Fixed dose procedureGLP: yes |

**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/kgGLP: yesRemarks: Information given is based on data obtained from similar substances. |

**1330-20-7:**

|  |  |  |
| --- | --- | --- |
| Acute oral toxicity | :  | LD50 (rat, male): 3,523 mg/kg Method: EU Method B.1 (Acute Toxicity, Oral)GLP: no |

|  |  |  |
| --- | --- | --- |
| Acute inhalation toxicity | :  | LC50 (rat, male): 6700 ppmExposure time: 4 hMethod: Directive 67/548/EEC, Annex V, B.2.Assessment: The component/mixture is moderately toxic after short term inhalation. |

|  |  |  |
| --- | --- | --- |
| Acute dermal toxicity | :  | LD50 (rabbit): 1,100 mg/kgAssessment: The component/mixture is moderately toxic after single contact with skin. |

**Skin corrosion/irritation**

Product:

|  |
| --- |
| Remarks: May cause skin irritation in susceptible persons.  |

**Components:**

**64742-47-8:**

|  |
| --- |
| Species: rabbitExposure time: 24 hMethod: In vivoResult: Irritating to skin. |

**64742-88-7:**

|  |
| --- |
| Species: rabbitExposure time: 24 hMethod: In vivoResult: Irritating to skin.GLP: yes |

**1330-20-7:**

|  |
| --- |
| Species: rabbitExposure time: 24 hResult: Irritating to skin. |

**Serious eye damage/eye irritation**

**Components:**

**64742-47-8:**

|  |
| --- |
| Species: rabbitResult: No eye irritationExposure time: 1 sMethod: EPA OTS 798.4500GLP: yes |

**64742-88-7:**

|  |
| --- |
| Species: rabbitResult: Irritating to eyes. |

**1330-20-7:**

|  |
| --- |
| Species: rabbitResult: Irritating to eyes. |

**Respiratory or skin sensitisation**

**Components:**

**64742-47-8:**

|  |
| --- |
| Test Type: Buehler TestExposure routes: DermalSpecies: guinea pigMethod: In vivoResult: Did not cause sensitisation on laboratory animals.GLP: yes |

**64742-88-7:**

|  |
| --- |
| Test Type: Buehler TestSpecies: guinea pigMethod: In vivoResult: Did not cause sensitisation on laboratory animals.GLP: yesRemarks: Based on a similar product formulation.  |

**1330-20-7:**

|  |
| --- |
| Remarks: No data available  |

Germ cell mutagenicity

**Components:**

**64742-47-8:**

|  |  |  |
| --- | --- | --- |
| Genotoxicity in vitro  | : | Test Type: Mammalian cell gene mutation assayTest species: Mouse lymphoma cellsMetabolic activation: with and without metabolic activationResult: negativeGLP: yes |

|  |  |  |
| --- | --- | --- |
| Genotoxicity in vivo  | :  | Test Type: Chromosome aberration assay in vivoTest species: rat (male and female)Cell type: Bone marrowApplication Route: IntraperitonealExposure time: 6 - 48 hrsDose: 0, 300, 1000, 3000 mg/kg bwResult: negativeGLP: yes |
| Germ cell mutagenicity- Assessment | :  | Tests on bacterial or mammalian cell cultures did not show mutagenic effects. |

**64742-88-7:**

|  |  |  |
| --- | --- | --- |
| Genotoxicity in vitro  | : | Test Type: Mammalian cell gene mutation assayTest species: Mouse lymphoma cellsMetabolic activation: with and without metabolic activationResult: negativeGLP: yesRemarks: Information given is based on data obtained from similar substances. |

|  |  |  |
| --- | --- | --- |
| Genotoxicity in vivo  | :  | Test Type: DNA damage and/or repairTest species: mouse (male)Application Route: IntraperitonealExposure time: 20 -22 hDose: 0, 400, 2000, 4000 mg/kgResult: negativeGLP: yes |
| Germ cell mutagenicity- Assessment | :  | Mutagenicity classification not possible from current data |

**1330-20-7:**

|  |  |  |
| --- | --- | --- |
| Genotoxicity in vitro  | : | Test Type: Chromosome aberration test in vitroTest species: Chinese hamster ovary (CHO)Metabolic activation: with and without metabolic activationMethod: Mutagenicity (in vitro mammalian cytogenetic test)Result: negative |
|   | : | Test Type: Sister chromatid exchange assay in mammalian cellsTest species: Chinese hamster ovary (CHO)Metabolic activation: with and without metabolic activationResult: negative |

|  |  |  |
| --- | --- | --- |
| Genotoxicity in vivo  | :  | Test Type: Dominant lethal assayTest species: mouseApplication Route: SubcutaneousExposure time: 8 wkDose: 1.0 mL/kgMethod: OECD Test Guideline 478Result: negativeGLP: no |
| Germ cell mutagenicity- Assessment | :  | Animal testing did not show any mutagenic effects. |

**Carcinogenicity**

**Components:**

**64742-47-8:**

|  |
| --- |
| Species: mouse, (male and female)Application Route: DermalExposure time: 105 wks Dose: 0, 25 mg/application  Frequency of Treatment: 3 days/weekLOAEL: 25Result: Limited evidence of carcinogenic effectsSymptoms: Local irritation, Dermal tumours |

|  |  |  |
| --- | --- | --- |
| Carcinogenicity - Assessment | :  | Not classifiable as a human carcinogen. |

**64742-88-7:**

|  |  |  |
| --- | --- | --- |
| Carcinogenicity - Assessment | :  | Not classifiable as a human carcinogen. |

**1330-20-7:**

|  |
| --- |
| Species: mouse, (male and female)Application Route: OralExposure time: 103 wk Dose: 0, 500 or 1000 mg/kg  Frequency of Treatment: 5 days/weekMethod: Directive 67/548/EEC, Annex V, B.32.Result: did not display carcinogenic propertiesGLP: No data available |

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

Reproductive toxicity

**Components:**

**64742-47-8:**

|  |  |  |
| --- | --- | --- |
| Effects on fertility | :  | Test Type: FertilitySpecies: rat, male and femaleApplication Route: OralDose: 0, 375, 750, 1500 mg/kg/d General Toxicity - Parent: NOAEL: 750 mg/kg body weightGeneral Toxicity F1: NOAEL: 750 mg/kg body weightFertility: NOAEL: >= 1,500 mg/kg body weightSymptoms: Reduced maternal body weight gain. Reduced offspring weight gain.Result: No reproductive effects. |

|  |  |  |
| --- | --- | --- |
| Effects on foetal development | :  | Species: ratApplication Route: OralDose: 0, 500, 1000, 1500, 2000mg/kgDuration of Single Treatment: 10 dGeneral Toxicity Maternal: NOAEL: 500 mg/kg body weightTeratogenicity: NOAEL: 2,000 mg/kg body weightDevelopmental Toxicity: NOAEL: 1,000 mg/kg body weightSymptoms: Reduced body weightMethod: OECD Test Guideline 414Result: Developmental toxicity occurred at maternal toxicity dose levels, No teratogenic effects. |

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

**64742-88-7:**

|  |  |  |
| --- | --- | --- |
| Effects on fertility | :  | Test Type: FertilitySpecies: rat, femaleApplication Route: OralDose: 0, 325, 750, 1500 mg/kg/day Duration of Single Treatment: 147 dGeneral Toxicity - Parent: NOAEL: 750 mg/kg body weightGeneral Toxicity F1: NOAEL: 750 mg/kg body weightFertility: NOAEL: >= 1,500 mg/kg body weightSymptoms: Reduced maternal body weight gain. Reduced offspring weight gain.Result: Animal testing did not show any effects on fertility., Embryotoxic effects and adverse effects on the offspring were detected.GLP: yes |

|  |  |  |
| --- | --- | --- |
| Effects on foetal development | :  | Species: ratApplication Route: OralDose: 0, 500, 1000, 1500, 2000 milligram per kilogramDuration of Single Treatment: 10 dGeneral Toxicity Maternal: NOAEL: 500 mg/kg body weightTeratogenicity: NOAEL: 2,000 mg/kg body weightDevelopmental Toxicity: NOAEL: 1,000 mg/kg body weightSymptoms: Reduced body weightMethod: OECD Test Guideline 414Result: Developmental toxicity occurred at maternal toxicity dose levels, No teratogenic effects. |

|  |  |  |
| --- | --- | --- |
| Reproductive toxicity - Assessment | :  | Animal testing did not show any effects on fertility.Did not show teratogenic effects in animal experiments. |

**1330-20-7:**

|  |  |  |
| --- | --- | --- |
| Effects on fertility | :  | Test Type: Two-generation studySpecies: rat, male and femaleApplication Route: InhalationDose: 0, 25, 100 and 500 ppm Duration of Single Treatment: 6 hFrequency of Treatment: 7 days/weekGeneral Toxicity - Parent: NOAEC: > 500 ppmGeneral Toxicity F1: NOAEC: > 500 ppmEarly Embryonic Development: NOAEC: > 500 ppmResult: No reproductive effects. |

|  |  |  |
| --- | --- | --- |
| Effects on foetal development | :  | Species: ratApplication Route: InhalationDose: 0, 100, 500, 1000 or 2000 ppmDuration of Single Treatment: 14 dFrequency of Treatment: 6 hr/dayGeneral Toxicity Maternal: NOAEC: 500 ppmTeratogenicity: NOAEC: > 2,000Developmental Toxicity: NOAEC: 100 ppmResult: 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**

\*\*\*Start of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

**Product:**

No data available

**Components:**

64742-47-8:

|  |  |  |  |
| --- | --- | --- | --- |
| **Exposure routes:**  | **Target Organs:**  | **Assessment:**  | **Remarks:**  |

|  |  |  |  |
| --- | --- | --- | --- |
| Inhalation | Central nervous system | May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects. |  |

64742-88-7:

|  |  |  |  |
| --- | --- | --- | --- |
| **Exposure routes:**  | **Target Organs:**  | **Assessment:**  | **Remarks:**  |

|  |  |  |  |
| --- | --- | --- | --- |
| Inhalation | Central nervous system | May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects. |  |

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. |  |

\*\*\*End of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

**STOT - repeated exposure**

\*\*\*Start of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

Product:

No data available

**Components:**

**64742-47-8:**No data available

**64742-88-7:**No data available

**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. |  |

\*\*\*End of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

**Repeated dose toxicity**

**Components:**

**64742-47-8:**

|  |
| --- |
| Species: rat, maleNOAELLOAELLOAEL: 750 mg/kg Application Route: OralExposure time: 70 - 90 days Number of exposures: dailyDose: 0, 750, 1500, 3000 mg/kg/dGLP: yesSymptoms: weight loss, Liver effects, Stomach/intestinal disorders |
| Species: rat, femaleNOAELNOAEL: 750 mg/kgLOAELApplication Route: OralExposure time: 21 wks Number of exposures: dailyDose: 0, 325, 750, 1500 mg/kg/dGLP: yesSymptoms: weight loss, Liver effects, Stomach/intestinal disorders |
| Species: mouse, male and femaleNOAELNOAEL: >= 1000 LOAELApplication Route: inhalation (vapour)Exposure time: 90 d Number of exposures: 24 h/d, dailyDose: 0, 500, 1000 mg/m3GLP: No data available |
| Species: rat, male and femaleNOAELNOAEL: >=0,5 LOAELApplication Route: DermalExposure time: 28 d Number of exposures: 6 h/d, 5 d/wkDose: 0, 0.01, 0.05, 0.5 ml/kg bw/dMethod: OECD Test Guideline 410GLP: yesSymptoms: Local irritation |
| Repeated dose toxicity - Assessment  | :  | Causes skin irritation. |

**64742-88-7:**

|  |
| --- |
| Species: rat, maleNOAELLOAELLOAEL: 750 mg/kg Application Route: OralExposure time: 70 - 90 d Number of exposures: DailyDose: 0, 750, 1500, 3000 mg/kg/dayGLP: yesSymptoms: weight loss, Local irritation |
| Species: rat, femaleNOAELNOAEL: 750 mg/kgLOAELApplication Route: OralExposure time: 21 wks Number of exposures: DailyDose: 0, 325, 750, 1500 mg/kg/dayGLP: yesSymptoms: weight loss, Local irritation |
| Species: rat, male and femaleNOAELNOAEL: >= 24 LOAELApplication Route: InhalationTest atmosphere: vapourExposure time: 4 wks Number of exposures: 6 h/d, 5 d/wkDose: 0, 24 mg/m3GLP: yesRemarks: Information given is based on data obtained from similar substances. |
| Species: rat, male and femaleNOAELNOAEL: >= 0.5 mg/l LOAELApplication Route: DermalExposure time: 4 wks Number of exposures: 6 h/d, 5 d/wkDose: 0, 1.01, 0.05, 0.5 ml/kg/dayMethod: OECD Test Guideline 410GLP: yesRemarks: Information given is based on data obtained from similar substances. |
| Repeated dose toxicity - Assessment  | :  | Causes skin irritation. |

**1330-20-7:**

|  |
| --- |
| Species: rat, male and femaleNOAELNOAEL: 250 mg/kgLOAELApplication Route: OralExposure time: 103 wk Number of exposures: 5 d/wkDose: 0, 250 or 500 mg/kgAssessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2. |

**Aspiration toxicity**

**Components:**

**64742-47-8:**

|  |
| --- |
| May be fatal if swallowed and enters airways. |

**64742-88-7:**

|  |
| --- |
| May be fatal if swallowed and enters airways. |

**1330-20-7:**

|  |
| --- |
| 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. |

\*\*\*Start of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

\*\*\*End of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

------------------------------------------- Begin Components of Chapter 12.1 -----------------------------

**Components:**

**64742-47-8:**

|  |  |  |
| --- | --- | --- |
| Toxicity to fish  | :  | LL50 (Oncorhynchus mykiss (rainbow trout)): 25 mg/lExposure time: 96 hTest Type: static testAnalytical monitoring: yesMethod: OECD Test Guideline 203GLP: yes |

|  |  |  |
| --- | --- | --- |
| Toxicity to daphnia and other aquatic invertebrates  | :  | EL50 (Daphnia magna (Water flea)): 1.4 mg/lExposure time: 48 hTest Type: static testAnalytical monitoring: yesMethod: OECD Test Guideline 202GLP: yes |
| Toxicity to algae  | :  | EL50 (Pseudokirchneriella subcapitata (green algae)): 1 mg/lEnd point: Growth rateExposure time: 72 hTest Type: static testAnalytical monitoring: yesMethod: OECD Test Guideline 201GLP: yes |

Ecotoxicology Assessment

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

**64742-88-7:**

|  |  |  |
| --- | --- | --- |
| Toxicity to fish  | :  | LL50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/lExposure time: 96 hTest Type: semi-static testAnalytical monitoring: yesMethod: OECD Test Guideline 203GLP: yesRemarks: Information given is based on data obtained from similar substances. |

|  |  |  |
| --- | --- | --- |
| Toxicity to daphnia and other aquatic invertebrates  | :  | EL50 (Daphnia magna (Water flea)): 1.4 mg/lExposure time: 48 hTest Type: static testAnalytical monitoring: yesMethod: OECD Test Guideline 202GLP: yes |
| Toxicity to algae  | :  | EL50 (Pseudokirchneriella subcapitata): 1 mg/lEnd point: Growth rateExposure time: 72 hTest Type: static testMethod: OECD Test Guideline 201GLP: yesRemarks: Information given is based on data obtained from similar substances. |

Ecotoxicology Assessment

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

**1330-20-7:**

|  |  |  |
| --- | --- | --- |
| Toxicity to fish  | :  | LC50 (Oncorhynchus mykiss (rainbow trout)): 2.6 mg/lExposure time: 96 hMethod: OECD Test Guideline 203 |

|  |  |  |
| --- | --- | --- |
| Toxicity to daphnia and other aquatic invertebrates  | :  | EC50 (Daphnia magna (Water flea)): 1 mg/lExposure time: 24 hTest Type: static testMethod: OECD Test Guideline 202 |
| Toxicity to algae  | :  | EC50 (Pseudokirchneriella subcapitata): 4.36 mg/lEnd point: Growth rateExposure time: 73 hTest Type: static testAnalytical monitoring: yesMethod: OECD Test Guideline 201GLP: yes |

Ecotoxicology Assessment

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

Persistence and degradability

------------------------------------------- Begin Components of Chapter 12.2 -----------------------------

**Components:**

**64742-47-8:**

|  |  |  |
| --- | --- | --- |
| Biodegradability  | :  | aerobicConcentration: 101 mg/l Biodegradation: 61 %Exposure time: 28 dGLP: yesRemarks: Readily biodegradable |

**64742-88-7:**

|  |  |  |
| --- | --- | --- |
| Biodegradability  | :  | aerobicConcentration: 101 mg/l Biodegradation: 61 %Testing period: 10 dExposure time: 28 dLag phase: 5 dTest substance: Solvent naphtha (petroleum), heavy aromaticGLP: yes |

**1330-20-7:**

|  |  |  |
| --- | --- | --- |
| Biodegradability  | :  | Inoculum: activated sludgeResult: Readily biodegradable.Biodegradation: 72 %Exposure time: 20 d |

Bioaccumulative potential

------------------------------------------- Begin Components of Chapter 12.3 -----------------------------

**Components:**

**1330-20-7:**

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

**Mobility in soil**

------------------------------------------- Begin Components of Chapter 12.4 -----------------------------

**Components:**

**64742-88-7:**

|  |  |  |
| --- | --- | --- |
| Stability in soil  | :  | Remarks: Adsorbs on soil. |

**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., Harmful to aquatic life with long lasting effects. |

------------------------------------------- Begin Components -----------------------------

\*\*\*Start of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

\*\*\*End of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

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 drum. |

\*\*\*Start of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

\*\*\*End of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

SECTION 14. TRANSPORT INFORMATION

Control symbol block to coordinate korean numbering output

\*\*\*Start of International Regualtions\*\*\*\*

**ADR**

Check whether we need to continue for this regulation

**UNRTDG**

Check whether we need to continue for this regulation

**IATA**

Check whether substance is not a dangerous good for this regulation

Customized by C755445\_for exempting Limited quantity

Substance is a dangerous good => output DG information

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

UN Number\_C755445

UN

1268

DG Description\_C755445

, PETROLEUM DISTILLATES, N.O.S.

Check whether we need to continue for this regulation

Hazard Inducer\_C755445

Initialize stack for HI output

DG Class\_C755445

, 3Subsidiary risk \_C755445

Packaging Group\_C755445

, III

Packaging Instructions\_C755445

Flash point \_C755445

, Flash Point: 40 - 46 °C(104 - 115 °F)

**IMDG**

Check whether substance is not a dangerous good for this regulation

Substance is a dangerous good => output DG information

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

UN Number\_C755445

UN

1268,

Proper shipping Name\_C755445

PETROLEUM DISTILLATES, N.O.S.

Check whether we need to continue for this regulation

Hazard Inducer \_C755445

Initialize stack for HI output

Class \_C755445

, 3

PG \_C755445

, III

Labels \_C755445

Marine Pollutant \_C755445

Flash point \_C755445

\*\*\*End of International Regualtions\*\*\*\*

\*\*\*Start of Domestic Regualtions\*\*\*\*

**CFR**

Check whether substance is not a dangerous good for this regulation

Substance is a dangerous good => output DG information

 **DOT (Department of Transportation)**:

UN number \_C755445

UN1268,

Proper Shipping name \_C755445

PETROLEUM DISTILLATES, N.O.S., Check whether we need to continue for this regulation

Hazard inducer \_C755445

Initialize stack for HI output

Class \_C755445 CBLSubsidiary risk \_C755445,

Danger Label \_C755445

Packaging group \_C755445

 III

Marine pollutant \_C755445

Remarks \_C755445

**TDG**

**ANTT**

**MERCOSUR**

**MX\_DG**

**CN\_DG**

**ADG**

**NZ\_DG**

\*\*\*Start of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

|  |  |  |
| --- | --- | --- |
| **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.  |

\*\*\*End of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

SECTION 15. REGULATORY INFORMATION

TSCA Classification

OSHA Classification

|  |  |  |
| --- | --- | --- |
| **[OSHA Hazards]** | [:]  |  Combustible Liquid, Toxic by inhalation., Harmful by ingestion., Harmful by skin absorption., Moderate skin irritant, Moderate eye irritant, Moderate respiratory irritant |

WHMIS Classification

|  |  |  |
| --- | --- | --- |
| **[WHMIS Classification]** | [:]  | B3: Combustible LiquidD2B: 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 | 2000 |

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

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

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

SARA 311/312

|  |  |  |
| --- | --- | --- |
| **[SARA 311/312 Hazards]** | [:]  | Fire HazardAcute Health Hazard |

**Clean Air Act**

CAA HAP

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

|  |  |  |  |
| --- | --- | --- | --- |
|  | 100-41-4 | Ethylbenzene | 0.099 % |
|  | 108-88-3 | Toluene | 0.099 % |
|  | 71-43-2 | Benzene | 0.099 % |
|  | 91-20-3 | Naphthalene | 0.099 % |
|  | 98-82-8 | Cumene | 0.099 % |

CAA 112

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).

CAA 111

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 | 5 % |
|  | 100-41-4 | Ethylbenzene | 0.099 % |
|  | 108-88-3 | Toluene | 0.099 % |
|  | 71-43-2 | Benzene | 0.099 % |
|  | 98-82-8 | Cumene | 0.099 % |

Clean Water Act

**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 | 5 % |
|  | 100-41-4 | Ethylbenzene | 0.099 % |
|  | 108-88-3 | Toluene | 0.099 % |
|  | 71-43-2 | Benzene | 0.099 % |
|  | 91-20-3 | Naphthalene | 0.099 % |

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

|  |  |  |  |
| --- | --- | --- | --- |
|  | 1330-20-7 | Mixed xylenes | 5 % |
|  | 100-41-4 | Ethylbenzene | 0.099 % |
|  | 108-88-3 | Toluene | 0.099 % |
|  | 71-43-2 | Benzene | 0.099 % |
|  | 91-20-3 | Naphthalene | 0.099 % |

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

|  |  |  |  |
| --- | --- | --- | --- |
|  | 1330-20-7 | Mixed xylenes | 1 - 5 % |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 71-43-2 | Benzene | 0 - 0.1 % |

Pennsylvania Right To Know

|  |  |  |  |
| --- | --- | --- | --- |
|  | 64742-47-8 | Distillates (pet), hydrotreated light | 0 - 100 % |
|  | 64742-88-7 | Solvent naphtha (pet), med aliph. | 0 - 100 % |
|  | 1330-20-7 | Mixed xylenes | 1 - 5 % |
|  | 100-41-4 | Ethylbenzene | 0 - 0.1 % |
|  | 108-88-3 | Toluene | 0 - 0.1 % |
|  | 71-43-2 | Benzene | 0 - 0.1 % |
|  | 91-20-3 | Naphthalene | 0 - 0.1 % |
|  | 98-82-8 | Cumene | 0 - 0.1 % |

New Jersey Right To Know

|  |  |  |  |
| --- | --- | --- | --- |
|  | 64742-47-8 | Distillates (pet), hydrotreated light | 0 - 100 % |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 64742-88-7 | Solvent naphtha (pet), med aliph. | 0 - 100 % |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 1330-20-7 | Mixed xylenes | 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 |  |
|  | 91-20-3  | Naphthalene |  |
|  | 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 |  |
|  | 71-43-2  | Benzene |  |

\*\*\*Start of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

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

|  |  |  |
| --- | --- | --- |
|  **Switzerland. New notified substances and declared preparations**  | : | y (positive listing) (The formulation contains substances listed on the Swiss Inventory) |
|  **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**  | : | n (Negative listing) (On the inventory, or in compliance with the inventory) |
|  **Japan. ENCS - Existing and New Chemical Substances Inventory**  | : | n (Negative listing) (Not in compliance with the inventory) |
|  **Japan. ISHL - Inventory of Chemical Substances (METI)**  | : | n (Negative listing) (Not 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) |

\*\*\*End of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

output of reduced table for trade secret information for US only

output of full table for trade secret information for Canada

\*\*\*Start of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

\*\*\*End of Editing for GHS Customization – C755445\*\*\*\*\*\*\*\*\*

SECTION 16. OTHER INFORMATION

**Further information**

|  |  |
| --- | --- |
| **NFPA:** | **HMIS III:** |
| 2**0**2InstabilityHealthFlammabilitySpecial hazard. | **2** HealthFlammability**2****0****Physical Hazard**0 = not significant, 1 =Slight, 2 = Moderate, 3 = High4 =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.

|  |  |  |
| --- | --- | --- |
| **[Legecy MSDS:]**  | []  | R0000591 |
| **Material number:**103646, 102989, 16056392, 16056391, 16056390, 547277, 53764, 612976, 20087, 660347, 86313, 53281, 53768, 744414, 744413, 604767, 70884, 103635, 70230, 86310, 70887, 70876, 103643, 70239, 554091, 554080, 556672, 556673, 53226, 102363, 54498, 69659, 87259, 86529, 576791, 86524, 557932, 85978, 86519, 546934, 86534 |

|  |
| --- |
| **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  | NZloC  | 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%  |