



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Paint Thinner
Product Use Description : THINNER

Manufacturer or supplier's details

Company : Nexeo Solutions LLC - STARTEX™
Address : 3 Waterway Square Place Suite 1000
Woodlands, Tx. 77380
United States of America

Emergency telephone number:

Health North America: 1-855-NEXEO4U (1-855-639-3648)
Health International: 1-855-NEXEO4U (1-855-639-3648)
Transport North America: CHEMTREC 800.424.9300

Additional Information: : Responsible Party: Product Safety Group
E-Mail: msds@nexeosolutions.com
SDS Requests: 1-855-429-2661
SDS Requests Fax: 1-281-500-2370
Website: www.nexeosolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 3
Skin irritation : Category 2
Eye irritation : Category 2A
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



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Hazard statements : H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs (Liver, Kidney, Central nervous system) through prolonged or repeated exposure.

Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice/ attention if you feel unwell.
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

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.

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.

Emergency Overview

| | |
|----------------|---------------------------|
| Appearance | liquid |
| Colour | clear, colourless |
| Odour | mild |
| Hazard Summary | No information available. |

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

| CAS-No. | Chemical Name | Concentration (%) |
|------------|---------------------------------------|-------------------|
| 64742-47-8 | Distillates (pet), hydrotreated light | 0 - 100 |
| 64742-88-7 | Solvent naphtha (pet), medium aliph. | 0 - 100 |
| 1330-20-7 | Mixed xylenes | 0 - 10 |

Special Notes:

: Functionally equivalent petroleum streams may be found in this preparation at varying concentrations.



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

SECTION 4. FIRST AID MEASURES

- | | |
|-------------------------|--|
| General advice | : Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended. |
| If inhaled | : Consult a physician after significant exposure. If unconscious place in recovery position and seek medical advice. If breathing is difficult, give oxygen. If breathing has stopped, apply artificial respiration. |
| 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 | : Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. |
| If swallowed | : Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital. |

SECTION 5. FIREFIGHTING MEASURES

- | | |
|--------------------------------------|---|
| Suitable extinguishing media | : Alcohol-resistant foam Carbon dioxide (CO ₂) 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. |



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

- 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 fire-fighting if necessary.

NFPA Flammable and Combustible Liquids Classification:

Combustible Liquid Class II

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
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 safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Avoid contact with skin and eyes.
 For personal protection see section 8.
 Smoking, eating and drinking should be prohibited in the application area.
 Take precautionary measures against static discharges.
 Provide sufficient air exchange and/or exhaust in work rooms.
 Open drum carefully as content may be under pressure.
 Dispose of rinse water in accordance with local and national regulations.

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| CAS-No. | Components | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|------------|---------------------------------------|-------------------------------|---|----------|
| 64742-47-8 | Distillates (pet), hydrotreated light | TWA | 500 ppm 2,000 mg/m ³ | OSHA Z-1 |
| | | TWA | 200 mg/m ³ (as total hydrocarbon vapor) | ACGIH |
| | | TWA | 400 ppm 1,600 mg/m ³ | OSHA P0 |
| 64742-88-7 | Solvent naphtha (pet), medium aliph. | TWA | 500 ppm 2,000 mg/m ³ | OSHA Z-1 |
| | | TWA | 200 mg/m ³ (as total hydrocarbon vapor) | ACGIH |
| | | TWA | 400 ppm 1,600 mg/m ³ | OSHA P0 |
| 1330-20-7 | Mixed xylenes | TWA | 100 ppm | ACGIH |
| | | STEL | 150 ppm | ACGIH |
| | | TWA | 100 ppm 435 mg/m ³ | OSHA Z-1 |



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
In the case of vapour formation use a respirator with an approved filter.
- Hand protection
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : clear, colourless
- Odour : mild
- Odour Threshold : No data available
- pH : No data available
- Freezing Point : No data available
- Boiling Point (Boiling point/boiling range) : 161 - 197 °C (322 - 387 °F)
- Flash point : 45 °C (113 °F)
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

| | |
|--|---|
| Burning rate | : No data available |
| Upper explosion limit | : No data available |
| Lower explosion limit | : 0.9 %(V) |
| Vapour pressure | : 1.0 mmHg @ 20 °C (68 °F) |
| Relative vapour density | : 4.9(Air = 1.0) |
| Relative density | : 0.784 @ 15.5 °C (59.9 °F) Reference substance: (water = 1) |
| Density | : 0.784 g/cm ³ @ 15.5 °C (59.9 °F) |
| Bulk density | : No data available |
| Solubility(ies) | |
| Water solubility | : negligible |
| Solubility in other sol- vents | : No data available |
| Partition coefficient: n- octanol/water | : No data available |
| Auto-ignition temperature | : 276 °C |
| Thermal decomposition | : No data available |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| Reactivity | : No dangerous reaction known under conditions of normal use. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : Vapours may form explosive mixture with air. |
| Conditions to avoid | : Keep away from heat, flame, sparks and other ignition sources. |
| Incompatible materials | : Strong oxidizing agents Peroxides Reducing agents Strong bases |



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Hazardous decomposition : carbon dioxide and carbon monoxide products

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : > 30000 ppm
Exposure time: 4 h
Test atmosphere: gas
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg
Method: 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/kg
Method: Fixed dose procedure
GLP: 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/kg
GLP: yes
Remarks: 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 ppm



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Exposure time: 4 h
Method: 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/kg
Assessment: The component/mixture is moderately toxic after single contact with skin.

Skin corrosion/irritation

Product:

Remarks: Irritating to skin.

Components:

64742-47-8:

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

64742-88-7:

Species: rabbit
Exposure time: 24 h
Method: In vivo
Result: Irritating to skin.
GLP: yes

1330-20-7:

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

Serious eye damage/eye irritation

Product:

Remarks: Irritating to eyes.

Components:

64742-47-8:

Species: rabbit
Result: No eye irritation
Exposure time: 1 s
Method: EPA OTS 798.4500
GLP: yes

64742-88-7:

Species: rabbit



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Result: Irritating to eyes.

1330-20-7:

Species: rabbit

Result: Irritating to eyes.

Respiratory or skin sensitisation

Components:

64742-47-8:

Test Type: Buehler Test

Exposure routes: Dermal

Species: guinea pig

Method: In vivo

Result: Did not cause sensitisation on laboratory animals.

GLP: yes

64742-88-7:

Test Type: Buehler Test

Species: guinea pig

Method: In vivo

Result: Did not cause sensitisation on laboratory animals.

GLP: yes

Remarks: 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 assay
Test species: Mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Result: negative
GLP: yes

Genotoxicity in vivo : Test Type: Chromosome aberration assay in vivo
Test species: rat (male and female)
Cell type: Bone marrow
Application Route: Intraperitoneal
Exposure time: 6 - 48 hrs
Dose: 0, 300, 1000, 3000 mg/kg bw
Result: negative
GLP: yes

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



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

64742-88-7:

Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay
Test species: Mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Result: negative
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Genotoxicity in vivo : Test Type: DNA damage and/or repair
Test species: mouse (male)
Application Route: Intraperitoneal
Exposure time: 20 -22 h
Dose: 0, 400, 2000, 4000 mg/kg
Result: negative
GLP: yes

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

1330-20-7:

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

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

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

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



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Carcinogenicity

Components:

64742-47-8:

Species: mouse, (male and female)
Application Route: Dermal
Exposure time: 105 wks
Dose: 0, 25 mg/application
Frequency of Treatment: 3 days/week
LOAEL: 25

Result: Limited evidence of carcinogenic effects

Symptoms: Local irritation, Dermal tumours

Carcinogenicity - Assessment : Carcinogenicity classification not possible from current data.

64742-88-7:

Carcinogenicity - Assessment : Carcinogenicity classification not possible from current data.

1330-20-7:

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

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

Reproductive toxicity

Components:

64742-47-8:

Effects on fertility : Test Type: Fertility
Species: rat, male and female
Application Route: Oral
Dose: 0, 375, 750, 1500 mg/kg/d
General Toxicity - Parent: NOAEL: 750 mg/kg body weight
General Toxicity F1: NOAEL: 750 mg/kg body weight
Fertility: NOAEL: \geq 1,500 mg/kg body weight
Symptoms: Reduced maternal body weight gain. Reduced offspring weight gain.
Result: No reproductive effects.



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

- Effects on foetal development : Species: rat
Application Route: Oral
Dose: 0, 500, 1000, 1500, 2000mg/kg
Duration of Single Treatment: 10 d
General Toxicity Maternal: NOAEL: 500 mg/kg body weight
Teratogenicity: NOAEL: 2,000 mg/kg body weight
Developmental Toxicity: NOAEL: 1,000 mg/kg body weight
Symptoms: Reduced body weight
Method: OECD Test Guideline 414
Result: 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: Fertility
Species: rat, female
Application Route: Oral
Dose: 0, 325, 750, 1500 mg/kg/day
Duration of Single Treatment: 147 d
General Toxicity - Parent: NOAEL: 750 mg/kg body weight
General Toxicity F1: NOAEL: 750 mg/kg body weight
Fertility: NOAEL: \geq 1,500 mg/kg body weight
Symptoms: 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: rat
Application Route: Oral
Dose: 0, 500, 1000, 1500, 2000 milligram per kilogram
Duration of Single Treatment: 10 d
General Toxicity Maternal: NOAEL: 500 mg/kg body weight
Teratogenicity: NOAEL: 2,000 mg/kg body weight
Developmental Toxicity: NOAEL: 1,000 mg/kg body weight
Symptoms: Reduced body weight
Method: OECD Test Guideline 414
Result: Developmental toxicity occurred at maternal toxicity dose levels, No teratogenic effects.
- Reproductive toxicity - : Animal testing did not show any effects on fertility.



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Assessment Did not show teratogenic effects in animal experiments.

1330-20-7:

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

Effects on foetal development : Species: rat
Application Route: Inhalation
Dose: 0, 100, 500, 1000 or 2000 ppm
Duration of Single Treatment: 14 d
Frequency of Treatment: 6 hr/day
General Toxicity Maternal: NOAEC: 500 ppm
Teratogenicity: NOAEC: > 2,000
Developmental Toxicity: NOAEC: 100 ppm
Result: No teratogenic effects., Developmental toxicity occurred at maternal toxicity dose levels

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

STOT - single exposure

Product: No data available

Components:

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., | |



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

| | | | |
|--|--|--|--|
| | | 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. | |

STOT - repeated exposure

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. | |

Repeated dose toxicity

Components:



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

64742-47-8:

Species: rat, male
LOAEL: 750 mg/kg
Application Route: Oral
Exposure time: 70 - 90 days
Number of exposures: daily
Dose: 0, 750, 1500, 3000 mg/kg/d
GLP: yes
Symptoms: weight loss, Liver effects, Stomach/intestinal disorders

Species: rat, female
NOAEL: 750 mg/kg
Application Route: Oral
Exposure time: 21 wks
Number of exposures: daily
Dose: 0, 325, 750, 1500 mg/kg/d
GLP: yes
Symptoms: weight loss, Liver effects, Stomach/intestinal disorders

Species: mouse, male and female
NOAEL: ≥ 1000
Application Route: inhalation (vapour)
Exposure time: 90 d
Number of exposures: 24 h/d, daily
Dose: 0, 500, 1000 mg/m³
GLP: No data available

Species: rat, male and female
NOAEL: $\geq 0,5$
Application Route: Dermal
Exposure time: 28 d
Number of exposures: 6 h/d, 5 d/wk
Dose: 0, 0.01, 0.05, 0.5 ml/kg bw/d
Method: OECD Test Guideline 410
GLP: yes
Symptoms: Local irritation

Repeated dose toxicity - : Causes skin irritation.
Assessment

64742-88-7:

Species: rat, male
LOAEL: 750 mg/kg
Application Route: Oral
Exposure time: 70 - 90 d
Number of exposures: Daily
Dose: 0, 750, 1500, 3000 mg/kg/day
GLP: yes
Symptoms: weight loss, Local irritation



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Species: rat, female
NOAEL: 750 mg/kg
Application Route: Oral
Exposure time: 21 wks
Number of exposures: Daily
Dose: 0, 325, 750, 1500 mg/kg/day
GLP: yes
Symptoms: weight loss, Local irritation

Species: rat, male and female
NOAEL: ≥ 24
Application Route: Inhalation
Test atmosphere: vapour
Exposure time: 4 wks
Number of exposures: 6 h/d, 5 d/wk
Dose: 0, 24 mg/m³
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Species: rat, male and female
NOAEL: ≥ 0.5 mg/l
Application Route: Dermal
Exposure time: 4 wks
Number of exposures: 6 h/d, 5 d/wk
Dose: 0, 1.01, 0.05, 0.5 ml/kg/day
Method: OECD Test Guideline 410
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Repeated dose toxicity - : Causes skin irritation.
Assessment

1330-20-7:

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

Aspiration toxicity

Components:

64742-47-8:

May be fatal if swallowed and enters airways.

64742-88-7:

May be fatal if swallowed and enters airways.



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

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 decrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

64742-47-8:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 25 mg/l
Exposure time: 96 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 1.4 mg/l
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : EL50 (Pseudokirchneriella subcapitata (green algae)): 1 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

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

64742-88-7:



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l
Exposure time: 96 h
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 203
GLP: yes
Remarks: 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/l
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : EL50 (Pseudokirchneriella subcapitata): 1 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes
Remarks: 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/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1 mg/l
Exposure time: 24 h
Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata): 4.36 mg/l
End point: Growth rate
Exposure time: 73 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

Ecotoxicology Assessment



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Acute aquatic toxicity : Toxic to aquatic life.

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

Persistence and degradability

Components:

64742-47-8:

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

64742-88-7:

Biodegradability : aerobic
Concentration: 101 mg/l
Biodegradation: 61 %
Testing period: 10 d
Exposure time: 28 d
Lag phase: 5 d
Test substance: Solvent naphtha (petroleum), heavy aromatic
GLP: yes

1330-20-7:

Biodegradability : Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: 72 %
Exposure time: 20 d

Bioaccumulative potential

Components:

1330-20-7:

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

Mobility in soil

Components:

64742-88-7:

Stability in soil : Remarks: Adsorbs on soil.

Other adverse effects

No data available



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

Product:

| | |
|-----------------------------------|---|
| Regulation | 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances |
| Remarks | This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). |
| Additional ecological information | : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life with long lasting effects. |

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

| | |
|------------------------|---|
| Waste from residues | : Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922. |
| Contaminated packaging | : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. |

SECTION 14. TRANSPORT INFORMATION

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

IMDG (International Maritime Dangerous Goods): UN1263, PAINT RELATED MATERIAL, 3, III

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

SECTION 15. REGULATORY INFORMATION

| | |
|---------------------|--|
| OSHA Hazards | : Combustible Liquid, Harmful by skin absorption., Moderate skin irritant, Moderate eye irritant, Moderate respiratory irritant, Aspiration hazard |
|---------------------|--|



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

WHMIS Classification : B3: Combustible Liquid
D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

| Components | CAS-No. | Component RQ (lbs) | Calculated product RQ (lbs) |
|---------------|-----------|--------------------|-----------------------------|
| Mixed xylenes | 1330-20-7 | 100 | 2000 |

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
Acute Health Hazard
Chronic Health Hazard

Clean Air Act

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

| | | |
|----------|--------------|---------|
| 100-41-4 | Ethylbenzene | 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 % |

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

| | | |
|-----------|---------------|---------|
| 1330-20-7 | Mixed xylenes | 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

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 % |



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

| | | |
|---------|-------------|---------|
| 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 | 0 - 10 % |
| 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), medium aliph. | 0 - 100 % |
| 1330-20-7 | Mixed xylenes | 0 - 10 % |
| 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), medium aliph. | 0 - 100 % |
| 1330-20-7 | Mixed xylenes | 0 - 10 % |

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 |

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) |



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

| | | |
|---|---|---|
| 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) |
| 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) |



Safety Data Sheet

Paint Thinner

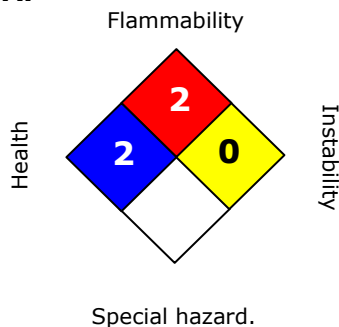
Version 1.0

Revision Date: 12/22/2014

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

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

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by NEXEO™ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.

Material number:

16056402, 16056401, 16056400, 16056399, 16056398, 16056397, 16056396, 16056395, 16056394

| Key or legend to abbreviations and acronyms used in the safety data sheet | | | |
|---|---|-------|---|
| ACGIH | American Conference of Government Industrial Hygienists | LD50 | Lethal Dose 50% |
| AICS | Australia, Inventory of Chemical Substances | LOAEL | Lowest Observed Adverse Effect Level |
| DSL | Canada, Domestic Substances List | NFPA | National Fire Protection Agency |
| NDSL | Canada, Non-Domestic Substances List | NIOSH | National Institute for Occupational Safety & Health |
| CNS | Central Nervous System | NTP | National Toxicology Program |
| CAS | Chemical Abstract Service | NZIoC | New Zealand Inventory of Chemicals |
| EC50 | Effective Concentration | NOAEL | No Observable Adverse Effect Level |
| EC50 | Effective Concentration 50% | NOEC | No Observed Effect Concentration |



Safety Data Sheet

Paint Thinner

Version 1.0

Revision Date: 12/22/2014

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