

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : A-A-857B NOT.3

Recommended use of the chemical and restrictions on use

Recommended use : Thinner, Dope and Lacquer (Cellulose Nitrate)
Paint related material.

Manufacturer or supplier's details

Company : Nexeo Solutions, LLC.
Address : 3 Waterway Square Place Suite 1000
The Woodlands, TX. 77380
United States of America

Cage Code: : 4N760
NSN : 1 GL : 8010-00-160-5787
5 GL : 8010-00-160-5788
55 GL : 8010-00-160-5789

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

Skin irritation : Category 2

Serious eye damage : Category 1

Reproductive toxicity : Category 2

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 : Category 2 (Auditory system, Eyes)

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

(Inhalation)

Aspiration hazard : Category 1

GHS Label element

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.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs (Central nervous system, Peripheral nervous system) through prolonged or repeated exposure.
H373 May cause damage to organs (Auditory system, Eyes) 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.
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

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

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 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P331 Do NOT induce vomiting.

P332 + P313 If skin irritation occurs: 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 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.

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
------------	--------

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Colour	Clear, Colorless
Odour	Ketone-like
Hazard Summary	No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical Name	Concentration (%)
123-86-4	n-Butyl acetate	30 - 50
67-63-0	Isopropyl alcohol	10 - 20
108-88-3	Toluene	10 - 20
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.	10 - 20
78-93-3	Methyl ethyl ketone	10 - 20
71-36-3	1-Butanol	10 - 20
142-82-5	**Heptane	1 - 5

Special Notes: : ** Other substances in the product which may present a health or environmental hazard.

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
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 : Consult a physician after significant exposure.
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 : Small amounts splashed into eyes can cause irreversi-

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

- ble tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
Take victim immediately to hospital.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
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 firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Use a water spray to cool fully closed containers.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

NFPA Flammable and Combustible Liquids Classification:

Flammable Liquid Class IB

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.
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.
To avoid spills during handling keep bottle on a metal tray.
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. |

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Containers which are opened must be carefully re-sealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
123-86-4	n-Butyl acetate	TWA	150 ppm	ACGIH
		STEL	200 ppm	ACGIH
		ST	200 ppm 950 mg/m ³	NIOSH REL
		TWA	150 ppm 710 mg/m ³	NIOSH REL
		TWA	150 ppm 710 mg/m ³	OSHA Z-1
		TWA	150 ppm 710 mg/m ³	OSHA P0
		STEL	200 ppm 950 mg/m ³	OSHA P0
67-63-0	Isopropyl alcohol	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m ³	NIOSH REL
		ST	500 ppm 1,225 mg/m ³	NIOSH REL
		TWA	400 ppm 980 mg/m ³	OSHA Z-1
		TWA	400 ppm 980 mg/m ³	OSHA P0
		STEL	500 ppm 1,225 mg/m ³	OSHA P0
108-88-3	Toluene	TWA	20 ppm	ACGIH
		TWA	100 ppm 375 mg/m ³	NIOSH REL
		ST	150 ppm 560 mg/m ³	NIOSH REL
		TWA	200 ppm	OSHA Z-2
		CEIL	300 ppm	OSHA Z-2
		Peak	500 ppm	OSHA Z-2
		TWA	100 ppm	OSHA P0

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

		STEL	375 mg/m ³ 150 ppm 560 mg/m ³	OSHA P0
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.	TWA	500 ppm 2,000 mg/m ³	OSHA Z-1
		TWA	400 ppm 1,600 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
71-36-3	1-Butanol	TWA	20 ppm	ACGIH
		C	50 ppm 150 mg/m ³	NIOSH REL
		TWA	100 ppm 300 mg/m ³	OSHA Z-1
		C	50 ppm 150 mg/m ³	OSHA P0
142-82-5	**Heptane	TWA	85 ppm 350 mg/m ³	NIOSH REL
		C	440 ppm 1,800 mg/m ³	NIOSH REL
		TWA	500 ppm 2,000 mg/m ³	OSHA Z-1
		TWA	400 ppm 1,600 mg/m ³	OSHA P0
		STEL	500 ppm 2,000 mg/m ³	OSHA P0
		TWA	400 ppm	ACGIH
		STEL	500 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Isopropyl alcohol	67-63-0	Acetone	In urine	End of shift at	40 mg/l	ACGIH BEI

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

				end of work-week		
Toluene	108-88-3	Toluene	In blood	Prior to last shift of work-week	0.02 mg/l	ACGIH BEI
		Toluene	Urine	End of shift (As soon as possible after exposure ceases)	0.03 mg/l	ACGIH BEI
		o-Cresol	Urine	End of shift (As soon as possible after exposure ceases)	0.3 mg/g Creatinine	ACGIH BEI
Methyl ethyl ketone	78-93-3	methyl ethyl ketone	In urine	End of shift (As soon as possible after exposure ceases)	2 mg/l	ACGIH BEI

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.
In the case of vapour formation use a respirator with an approved filter.

Hand protection
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

- 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, Colorless
- Odour : Ketone-like
- Odour Threshold : No data available
- pH : No data available
- Freezing Point : No data available
- Boiling Point (Boiling point/boiling range) : 78 - 127 °C (172 - 261 °F)
- Flash point : -7 °C (19 °F)
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Burning rate : No data available
- Upper explosion limit : No data available
- Lower explosion limit : 1.6 %(V)
- Vapour pressure : 27.7 mmHg @ 20 °C (68 °F)
- Relative vapour density : 3.0(Air = 1.0)
- Relative density : 0.823 @ 20 °C (68 °F)
Reference substance: (water = 1)
- Density : 0.8216 g/cm³ @ 20 °C (68 °F)

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Bulk density	: No data available
Solubility(ies)	
Water solubility	: soluble
Solubility in other sol- vents	: No data available
Partition coefficient: n- octanol/water	: No data available
Auto-ignition temperature	: 290 °C
Thermal decomposition	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No hazards to be specially mentioned.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	: Strong oxidizing agents Strong acids Strong bases
Hazardous decomposition products	: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

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

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Acute inhalation toxicity : Acute toxicity estimate : 22.83 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

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

Components:

123-86-4:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 423
GLP: no

Acute inhalation toxicity : LC50 (Rat, male and female): > 21 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403
GLP: yes

Acute dermal toxicity : LD50 (Rabbit, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

67-63-0:

Acute oral toxicity : LD50 (Rat): 5,045 mg/kg

Acute inhalation toxicity : LC50 (Rat): 16000 ppm

Acute dermal toxicity : LD50 (Rabbit): 12,800 mg/kg

108-88-3:

Acute oral toxicity : LD50 (Rat, male): > 5,580 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): 28.1 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

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

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401
GLP: yes
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Assessment: The component/mixture is toxic after short term inhalation.

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Assessment: The substance or mixture has no acute dermal toxicity

78-93-3:

Acute oral toxicity : LD50 (Rat): 2,737 mg/kg

Acute inhalation toxicity : LC50 (Mouse): 320 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD50 (Rabbit): 6,480 mg/kg

71-36-3:

Acute oral toxicity : LD50 (Rat): 790 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 8000 ppm
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403
Assessment: The component/mixture is low toxic after short term inhalation.

Acute dermal toxicity : LD50 (Rabbit, male): 3,430 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Skin corrosion/irritation

Components:

123-86-4:

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: no

67-63-0:

Species: Rabbit
Result: Mild skin irritation

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

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Result: Irritating to skin.

78-93-3:

Species: Rabbit
Exposure time: 24 h
Result: No skin irritation

71-36-3:

Species: Rabbit
Method: Draize Test
Result: Irritating to skin.

Serious eye damage/eye irritation

Components:

123-86-4:

Species: Rabbit
Result: No eye irritation
GLP: yes

67-63-0:

Species: Rabbit
Result: Irritating to eyes.

108-88-3:

Species: Rabbit
Result: Irritating to eyes.
Method: OECD Test Guideline 405

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

Species: Rabbit
Result: Irritating to eyes.

78-93-3:

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

71-36-3:

Species: Rabbit
Result: Risk of serious damage to eyes.
Method: OECD Test Guideline 405
GLP: yes

Respiratory or skin sensitisation

Components:

123-86-4:

Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

108-88-3:

Test Type: Maximisation Test (GPMT)

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

GLP: yes

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

Test Type: Buehler Test

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

78-93-3:

Test Type: Buehler Test

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Did not cause sensitisation on laboratory animals.

71-36-3:

Remarks: No data available

Germ cell mutagenicity

Components:

123-86-4:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
 Test species: Chinese hamster lung fibroblasts
 Metabolic activation: Without metabolic activation
 Method: OECD Test Guideline 473
 Result: negative
 GLP: No data available

Genotoxicity in vivo : Test Type: In vivo micronucleus test
 Test species: Mouse (male and female)
 Application Route: Oral
 Dose: 500, 1000, 2000 mg/kg bw
 Method: OECD Test Guideline 474
 Result: negative
 GLP: yes
 Test substance: Information given is based on data obtained from similar substances.

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

67-63-0:

Genotoxicity in vitro : Test Type: Ames test
 Test species: Salmonella typhimurium
 Result: negative

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

- Genotoxicity in vivo : Test Type: In vivo micronucleus test
Test species: Mouse
Method: OECD Test Guideline 474
Result: negative
- Germ cell mutagenicity-Assessment : Did not show mutagenic effects in animal experiments.
- 108-88-3:**
Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay
Test species: Mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
- Genotoxicity in vivo : Test Type: Dominant lethal assay
Test species: Mouse (male)
Application Route: inhalation (vapour)
Exposure time: 6 h/d, 5 d/wk for 8 wks
Dose: 0, 100, 400 ppm
Method: OECD Test Guideline 478
Result: negative
- 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
- 78-93-3:**
Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
- : Test Type: Mammalian cell gene mutation assay
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
- : Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 473
Result: negative
- Genotoxicity in vivo : Test Type: In vivo micronucleus test
Test species: Mouse (male and female)

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Dose: 1.96 mL/kg
Method: OECD Test Guideline 474
Result: negative

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

71-36-3:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
Test species: Chinese hamster lung fibroblasts
Metabolic activation: Without metabolic activation
Result: negative

: Test Type: Mammalian cell gene mutation assay
Test species: Chinese hamster lung fibroblasts
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes

: Test Type: DNA damage and/or repair
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo : Test species: Mouse (male and female)
Cell type: Bone marrow
Application Route: Oral
Exposure time: 1 d
Dose: 0, 500, 1000, 2000 mg/kg bw
Method: OECD Test Guideline 474
Result: negative
GLP: yes

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

Carcinogenicity

Components:

123-86-4:

Remarks: This information is not available.

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

67-63-0:

Species: Rat
NOAEL: 5,000 ppm

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Method: OECD Test Guideline 451

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

108-88-3:

Species: Rat, (male and female)
Application Route: inhalation (vapour)
Exposure time: 103 wks
Dose: 0, 600, 1200 ppm
Frequency of Treatment: 6.5 h/d, 5 d/wk
NOAEL: No observed adverse effect level: 1,200 ppm

Method: OECD Test Guideline 453
Result: did not display carcinogenic properties
Symptoms: Erosion of nasal epithelium
GLP: yes

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

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

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

78-93-3:

Remarks: This information is not available.

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

71-36-3:

Remarks: This information is not available.

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

Reproductive toxicity

Components:

123-86-4:

Effects on fertility : Species: Rat, male and female
Application Route: Inhalation
Dose: 0, 750, 1500, 2000 ppm
Duration of Single Treatment: 6 h
Frequency of Treatment: 7 days/week
General Toxicity - Parent: NOAEC: 750 ppm
General Toxicity F1: NOAEC: 750 ppm
Fertility: NOAEC: 2,000 ppm

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

	<p>Early Embryonic Development: NOAEC: 750 ppm Symptoms: Effect on reproduction capacity Method: OECD Test Guideline 416 GLP: yes</p>
Effects on foetal development	<p>: Species: Rat, male and female Application Route: vapour Dose: 500, 1500, 3000 ppm Duration of Single Treatment: 6 h Frequency of Treatment: 5 days/week GLP: yes</p>
Reproductive toxicity - Assessment	<p>: Fertility classification not possible from current data. Embryotoxicity classification not possible from current data.</p>
67-63-0: Reproductive toxicity - Assessment	<p>: Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.</p>
108-88-3: Effects on fertility	<p>: Test Type: Two-generation study Species: Rat, male and female Application Route: Inhalation Dose: 0, 100, 500, 2000 ppm Frequency of Treatment: 7 days/week General Toxicity - Parent: NOAEC: 500 ppm General Toxicity F1: NOAEC: 500 ppm Fertility: NOAEC: 2,000 ppm Symptoms: Reduced maternal body weight gain Reduced offspring weight gain Method: OECD Test Guideline 416 Result: Animal testing did not show any effects on fertility. GLP: yes</p> <p>Test Type: Fertility Species: Rat, male and female Application Route: inhalation (vapour) Dose: 0, 600, 1200 ppm Frequency of Treatment: 7 days/week General Toxicity - Parent: NOAEC: 600 ppm Symptoms: Decreased sperm count Result: Animal testing did not show any effects on fertility.</p>
Effects on foetal development	<p>: Species: Rat Application Route: inhalation (vapour) Dose: 0, 250, 750, 1500, 3000 ppm</p>

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

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
 GLP: yes

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

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

Reproductive toxicity - Assessment : Fertility classification not possible from current data. Embryotoxicity classification not possible from current data.

78-93-3:

Effects on foetal development : Species: Rat, female
 Application Route: Inhalation
 Dose: 400, 1000, 3000 ppm
 Duration of Single Treatment: 18 d
 Frequency of Treatment: 7 days/week
 General Toxicity Maternal: NOAEC: 1,002 ppm
 Teratogenicity: NOAEC: 1,002 ppm
 Method: OECD Test Guideline 414
 GLP: no

Reproductive toxicity - Assessment : Fertility classification not possible from current data. Did not show teratogenic effects in animal experiments.

71-36-3:

Effects on fertility : Test Type: Fertility/early embryonic development
 Species: Rat, male and female
 Application Route: vapour
 Dose: 0, 3000, 6000 ppm
 General Toxicity - Parent: NOAEC: 6,000 ppm
 General Toxicity F1: NOAEC: 6,000 ppm
 Result: No reproductive effects.

Test Type: Fertility/early embryonic development
 Species: Rat, female
 Application Route: oral
 Dose: 0, 300, 1000, 5000 mg/kg bw
 General Toxicity - Parent: NOAEL: 5,000 mg/kg bw
 Result: No reproductive effects.

Effects on foetal development : Species: Rat, female
 Application Route: oral
 Dose: 0, 316, 1454, 5654 mg/kg bw

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Duration of Single Treatment: 20 d
 Frequency of Treatment: 7 days/week
 General Toxicity Maternal: NOAEL: 1,454 mg/kg bw
 Teratogenicity: NOAEL: 5,654 mg/kg bw
 Developmental Toxicity: NOAEL: 1,454 mg/kg bw
 Symptoms: No malformations were observed., weight loss
 GLP: yes

Species: Rat, female
 Application Route: vapour
 Dose: 0, 3500, 6000, 8000 ppm
 Duration of Single Treatment: 20 d
 Frequency of Treatment: 7 hr/day
 General Toxicity Maternal: NOAEC: 3,500 ppm
 Teratogenicity: NOAEC: 8,000 ppm
 Developmental Toxicity: NOAEC: 3,500 ppm
 Symptoms: No malformations were observed., weight loss

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

STOT - single exposure

Product: No data available

Components:

123-86-4:

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.	

67-63-0:

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, cate-	

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

		gory 3 with narcotic effects.	
--	--	-------------------------------	--

108-88-3:

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.	

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

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.	

78-93-3:

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.	

71-36-3:

Exposure routes:	Target Organs:	Assessment:	Remarks:
Inhalation	Respiratory system, Central nervous system	May cause respiratory irritation., The substance or mixture is classified as specific target or-	

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

		gan toxicant, single exposure, category 3 with respiratory tract irritation., May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.	
--	--	--	--

142-82-5:No data available

STOT - repeated exposure

Product:No data available

Components:

123-86-4:No data available

67-63-0:No data available

108-88-3:

Exposure routes:	Target Organs:	Assessment:	Remarks:
Inhalation	Auditory system, Eyes	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.	

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

Exposure routes:	Target Organs:	Assessment:	Remarks:
	Central nervous system, Peripheral nervous system	The substance or mixture is classified as specific target	

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

		organ toxicant, re-peated exposure, category 2.	
--	--	---	--

78-93-3:No data available

71-36-3:No data available

142-82-5:No data available

Repeated dose toxicity

Components:

123-86-4:

Species: Rat, male and female
NOAEL: 500
Application Route: inhalation (vapour)
Exposure time: 13 wk
Number of exposures: 6 h/d, 5d/wk
Dose: 500, 1500, 3000 ppm
GLP: yes
Symptoms: oral or nasal discharge

108-88-3:

Species: Rat, male and female
NOAEL: 300
Application Route: inhalation (vapour)
Exposure time: 6, 12, or 18 mths
Number of exposures: 6 h/d, 5 d/wk
Dose: 0, 30, 100, 300 ppm
Method: OECD Test Guideline 453

Repeated dose toxicity - : Causes skin irritation.
Assessment

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

Species: Rat, male and female
NOAEL: 1402
Application Route: inhalation (vapour)
Test atmosphere: vapour
Exposure time: 13
Number of exposures: 6 hours/day, 5 day
Dose: 322,1402, 9869 mg/m³
GLP: yes
Target Organs: Kidney

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Symptoms: Nasal and ocular discharge

71-36-3:

Species: Rat, male and female
NOAEL: 125 mg/kg
LOAEL: 500 mg/kg
Application Route: Oral
Exposure time: 6 or 13 wks
Number of exposures: 7 d/wk
Dose: 0, 30, 125, 500 mg/kg bw
GLP: yes
Symptoms: Central nervous system depression

Species: Rat, male and female
NOAEL: 500
LOAEL: 500
Application Route: inhalation (vapour)
Exposure time: 13 wks
Number of exposures: 6 h/d, 5 d/wk
Dose: 0, 500, 1500, 3000 ppm
Symptoms: hypoactivity, weight loss
Remarks: Information given is based on data obtained from similar substances.

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.

78-93-3:

No data available

71-36-3:

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.

Components:

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

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause nar-

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

cotic effects., Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

123-86-4:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 18 mg/l
Exposure time: 96 h
Test Type: flow-through test
Method: OECD Test Guideline 203
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 44 mg/l
Exposure time: 48 h
Test Type: static test

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 674.7 mg/l
End point: Growth rate
Exposure time: 72 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 23 mg/l
Exposure time: 21 d

Toxicity to bacteria : EC 50 (Tetrahymena pyriformis (Ciliate)): 356 mg/l
Exposure time: 40 h
Test Type: Static

Ecotoxicology Assessment
Acute aquatic toxicity : Harmful to aquatic life.

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

67-63-0:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Toxicity to algae	: Remarks: No data available
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 aquatic invertebrates	: EC50 (Ceriodaphnia dubia): 3.78 mg/l Exposure time: 48 h Test Type: Renewal
Toxicity to algae	: EC50 (Chlorella vulgaris (Fresh water algae)): 134 mg/l Exposure time: 3 h Test Type: static test
Toxicity to bacteria	: IC50 (Bacteria): 84 mg/l Exposure time: 24 h Test Type: Static
Ecotoxicology Assessment	
Acute aquatic toxicity	: Toxic to aquatic life.
Chronic aquatic toxicity	: Toxic to aquatic life with long lasting effects.
68410-97-9 / 64742-49-0 / 64742-89-8:	
Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 8.2 mg/l Exposure time: 96 h Test Type: semi-static test
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 4.5 mg/l Exposure time: 48 h Test Type: Immobilization Analytical monitoring: yes
Toxicity to algae	: EC50 (Pseudokirchneriella subcapitata (green algae)): 3.7 Exposure time: 96 h Test Type: static test
Ecotoxicology Assessment	
Acute aquatic toxicity	: Toxic to aquatic life.
Chronic aquatic toxicity	: Toxic to aquatic life with long lasting effects.
78-93-3:	
Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

	Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: Immobilization
Toxicity to algae	: EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h
71-36-3:	
Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 1,376 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 1,328 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae	: EC50 (Pseudokirchneriella subcapitata (green algae)): 225 mg/l End point: Growth rate Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): 4.1 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 GLP: yes
Toxicity to bacteria	: EC 50 (Pseudomonas putida): 4,390 mg/l Exposure time: 17 h Test Type: Static Method: DIN 38412 GLP:

Persistence and degradability

Components:

123-86-4:

Biodegradability	: Biodegradation: 83 % Exposure time: 28 d
------------------	---

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Method: OECD Test Guideline 301D

Chemical Oxygen Demand (COD) : 0.00169 mg/g

BOD/COD : BOD/COD: 72 %

Theoretical Oxygen Demand (ThOD) : 0.0022 mg/g

108-88-3:

Biodegradability : Inoculum: Sewage
Biodegradation: 100 %
Remarks: Readily biodegradable

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

Biodegradability : Concentration: 49.2 mg/l
Result: Readily biodegradable
Biodegradation: 77 %
Testing period: 2 d
Exposure time: 28 d

78-93-3:

Biodegradability : Concentration: 2 mg/l
Result: Readily biodegradable
Biodegradation: 98 %
Exposure time: 28 d
Test substance: Methyl ethyl Ketone
GLP: yes
Remarks: Readily biodegradable

71-36-3:

Biodegradability : Result: Readily biodegradable
Biodegradation: 98 %
Exposure time: 19 d
Method: OECD Test Guideline 301E

Chemical Oxygen Demand (COD) : 0.00245 mg/g

Theoretical Oxygen Demand (ThOD) : 0.00259 mg/g

Bioaccumulative potential

Components:

123-86-4:

Bioaccumulation : Species: Fish
Bioconcentration factor (BCF): 15

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

Partition coefficient: n-octanol/water : log Pow: 1.82

108-88-3:

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

71-36-3:

Bioaccumulation : Species: Fish
Bioconcentration factor (BCF): 3.16

Mobility in soil

Components:

71-36-3:

Stability in soil : Remarks: Not expected to adsorb 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., Toxic to aquatic life with long lasting effects.

Components:

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

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.

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

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, II, Flash Point:-7 °C(19 °F)

IMDG (International Maritime Dangerous Goods): UN1263, PAINT RELATED MATERIAL, 3, II, Marine Pollutant (TOLUENE)

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

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Flammable liquid, Moderate skin irritant, Severe eye irritant, Moderate respiratory irritant, Teratogen, Reproductive hazard, Specific target organ toxicity - single exposure, Specific target organ toxicity - repeated exposure, Aspiration hazard

WHMIS Classification : B2: Flammable liquid
 D2A: Very Toxic Material Causing Other Toxic Effects
 D2B: Toxic Material Causing Other Toxic Effects

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

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Toluene	108-88-3	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

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

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

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	13.8616 %
71-36-3	1-Butanol	10.8535 %

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	13.8616 %
----------	---------	-----------

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):

123-86-4	n-Butyl acetate	33.9452 %
67-63-0	Isopropyl alcohol	16.3607 %
108-88-3	Toluene	13.8616 %
78-93-3	Methyl ethyl ketone	11.8519 %
71-36-3	1-Butanol	10.8535 %

Clean Water Act

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

123-86-4	n-Butyl acetate	33.9452 %
108-88-3	Toluene	13.8616 %
110-82-7	**Cyclohexane	0.1971 %
100-41-4	Ethylbenzene	0.0137 %
71-43-2	Benzene	0.0267 %

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

123-86-4	n-Butyl acetate	33.9452 %
108-88-3	Toluene	13.8616 %
110-82-7	**Cyclohexane	0.1971 %
100-41-4	Ethylbenzene	0.0137 %
71-43-2	Benzene	0.0267 %

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

108-88-3	Toluene	13.8616 %
----------	---------	-----------

US State Regulations

Massachusetts Right To Know

123-86-4	n-Butyl acetate	30 - 50 %
67-63-0	Isopropyl alcohol	10 - 20 %
108-88-3	Toluene	10 - 20 %
78-93-3	Methyl ethyl ketone	10 - 20 %

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

71-36-3	1-Butanol	10 - 20 %
142-82-5	**Heptane	1 - 5 %
71-43-2	Benzene	0 - 0.1 %

Pennsylvania Right To Know

123-86-4	n-Butyl acetate	30 - 50 %
67-63-0	Isopropyl alcohol	10 - 20 %
108-88-3	Toluene	10 - 20 %
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.	10 - 20 %
78-93-3	Methyl ethyl ketone	10 - 20 %
71-36-3	1-Butanol	10 - 20 %
142-82-5	**Heptane	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

123-86-4	n-Butyl acetate	30 - 50 %
67-63-0	Isopropyl alcohol	10 - 20 %
108-88-3	Toluene	10 - 20 %
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.	10 - 20 %
78-93-3	Methyl ethyl ketone	10 - 20 %
71-36-3	1-Butanol	10 - 20 %
142-82-5	**Heptane	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
71-43-2	Benzene

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

United States TSCA Inventory	:	y (positive listing) (On TSCA Inventory)
-------------------------------------	---	---

Safety Data Sheet

A-A-857B NOT.3

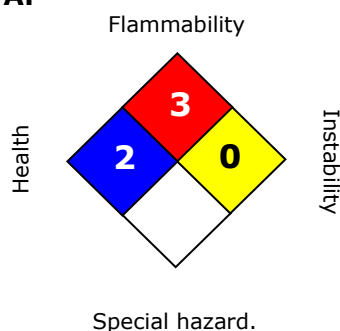
Version 0.0

Revision Date: 12/28/2015

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)
Korea. Korean Existing Chemicals Inventory (KECI)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
China. Inventory of Existing Chemical Substances in China (IECSC)	:	y (positive listing) (On the inventory, or in compliance with the inventory)

SECTION 16. OTHER INFORMATION **Further information**

NFPA:



HMIS III:

HEALTH	2*
FLAMMABILITY	3
PHYSICAL HAZARD	0

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

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

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:

16061918, 16067530, 16067529, 16067528, 16055880, 16055879, 16055878, 16055877

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 In-	UVCB	Unknown or Variable Composition,

Safety Data Sheet

A-A-857B NOT.3

Version 0.0

Revision Date: 12/28/2015

	ventory		Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		