SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**SOLVENT WAX & GREASE REMOVER**
Product Code	**LC-101**
Recommended Use	SOLVENT
Restrictions	FOR PROFESSIONAL USE ONLY

Manufacturer/Importer/Supplier/Distributor information

Company name	Liquid Concepts	
Address	200 Cornerstone Rd. Alexander, AR 72002	
Telephone	501.455.5500	
Website	www.liquidconcepts.com	
Emergency phone number	EMERGENCY 24 Hrs.	800-424-9300 ChemTrec

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids	Category 2
Skin irritation	Category 2
Eye irritation	Category 2A
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity - single exposure	Category 3 (Central nervous system)
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. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H340 May cause genetic defects. H351 Suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child.
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, 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. P261 Avoid breathing 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. P281 Use personal protective equipment as required. **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.

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.
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:
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	Group 2B: Possibly carcinogenic to humans	
	64742-49-0	Naphtha (pet), hydrotreated lt
	64742-89-8	Solvent naphtha (pet), lt aliph.
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
Hazard Summary	No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical Name	Concentration (%)
64742-49-0	Naphtha (pet), hydrotreated lt	0 - 90
64742-89-8	Solvent naphtha (pet), lt aliph.	0 - 90
68410-97-9	Distillates, pet, lt dist hydrotreat process, low-boil	0 - 90
67-63-0	Isopropyl alcohol	5 - 10
64742-47-8	Distillates (pet), hydrotreated light	0 - 10
64742-88-7	Solvent naphtha (pet), med aliph.	0 - 10
110-82-7	Cyclohexane	1 - 5
111-65-9	Octane	1 - 5
142-82-5	Heptane	0.1 - 1

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

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.

In case of skin contact
If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact
Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed	Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	High volume water jet
Specific hazards during 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.

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. 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 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
64742-49-0	Naphtha (pet), hydrotreated lt	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
64742-89-8	Solvent naphtha (pet), lt aliph.	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
67-63-0	Isopropyl alcohol	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m3	NIOSH REL
		ST	500 ppm 1,225 mg/m3	NIOSH REL
		TWA	400 ppm 980 mg/m3	OSHA Z-1
		TWA	400 ppm 980 mg/m3	OSHA P0
		STEL	500 ppm 1,225 mg/m3	OSHA P0
64742-47-8	Distillates (pet), hydrotreated light	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	200 mg/m3 (as total hydrocarbon vapor)	ACGIH
		TWA	400 ppm 1,600 mg/m3	OSHA P0
64742-88-7	Solvent naphtha (pet), med aliph.	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	200 mg/m3 (as total hydrocarbon vapor)	ACGIH
		TWA	400 ppm 1,600 mg/m3	OSHA P0
110-82-7	Cyclohexane	TWA	100 ppm	ACGIH
		TWA	300 ppm 1,050 mg/m3	NIOSH REL
		TWA	300 ppm 1,050 mg/m3	OSHA Z-1
		TWA	300 ppm 1,050 mg/m3	OSHA P0
111-65-9	Octane	TWA	300 ppm	ACGIH
		TWA	75 ppm 350 mg/m3	NIOSH REL
		C	385 ppm	NIOSH REL

			1,800 mg/m3	
		TWA	500 ppm 2,350 mg/m3	OSHA Z-1
		TWA	300 ppm 1,450 mg/m3	OSHA P0
		STEL	375 ppm 1,800 mg/m3	OSHA P0
142-82-5	Heptane	TWA	85 ppm 350 mg/m3	NIOSH REL
		C	440 ppm 1,800 mg/m3	NIOSH REL
		TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
		STEL	500 ppm 2,000 mg/m3	OSHA P0

Biological occupational exposure limits

Components	CAS-No.	Control parame-ters	Biological specimen	Sam-pling time	Permissi-ble con-centration	Basis
Isopropyl alcohol	67-63-0	Acetone	In urine	End of shift at end of work-week	40 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.

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	No data available
Odour Threshold	No data available
pH	No data available
Freezing Point	No data available
Boiling Point (Boiling point/boiling range)	80 - 215 °C (176 - 419 °F) (1,013.232 hPa)
Flash point	10 °C (50 °F)
Evaporation rate	Ethyl Ether
Flammability (solid, gas)	No data available
Burning rate	No data available
Upper explosion limit	12 %(V) Calculated Explosive Limit
Lower explosion limit	1.3 %(V) Calculated Explosive Limit
Vapour pressure	16.7000 mmHg @ 20 °C (68 °F)
Relative vapour density	> 1(Air = 1.0)
Relative density	0.746 @ 20 °C (68 °F)
Density	0.746 g/cm3 @ 20 °C (68 °F)
Bulk density	No data available
Water solubility	No data available
Solubility in other solvents	No data available

Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Thermal decomposition	No data available
Regulatory VOC (lbs/gal)	6.27
Regulatory VOC (g/l)	763.50
Actual VOC (lbs/gal)	6.27
Actual VOC (g/l)	763.50

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	Product will not undergo hazardous polymerization. Vapours may form explosive mixture with air.
Conditions to avoid	Keep away from heat, flame, sparks and other ignition sources. Extremes of temperature and direct sunlight.
Incompatible materials	Acids Aldehydes alkalis Amines Chlorine Ethylene oxide halogenated hydrocarbons halogens isocyanates Reducing agents Strong oxidizing agents Do not use with aluminum equipment at temperatures above 120 degrees F.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

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

	Method: Calculation method

Components:

64742-49-0:

Acute oral toxicity	LD50 (rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	Remarks: No data available
Acute dermal toxicity	LD50 (rabbit, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes

64742-89-8:

Acute oral toxicity	LD50 (rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	Remarks: No data available
Acute dermal toxicity	LD50 (rabbit, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes

68410-97-9:

Acute oral toxicity	LD50 (rat): > 5,000 mg/kg
Acute inhalation toxicity	Remarks: No data available
Acute dermal toxicity	LD50 (rabbit): > 2,000 mg/kg

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

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.

110-82-7:

Acute oral toxicity	LD50 (rat): > 5,000 mg/kg Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	LC50 (rat): > 5540 ppm Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403 GLP: yes Assessment: The component/mixture is low toxic after short term inhalation.
Acute dermal toxicity	LD50 (rabbit): > 2,000 mg/kg Assessment: The component/mixture is low toxic after single contact with skin.

111-65-9:

Acute oral toxicity	LD50 (rat): > 5,000 mg/kg Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	LC50 (rat): > 24.88 mg/l Exposure time: 4 h Test atmosphere: vapour Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	LD50 (rabbit): > 2,000 mg/kg Assessment: The component/mixture is low toxic after single contact with skin.

142-82-5:

Acute oral toxicity	LD50 (rat, male and female): 5,000 mg/kg Method: OECD Test Guideline 401 Symptoms: Salivation GLP: yes Remarks: Information given is based on data obtained from similar substances.
Acute inhalation toxicity	LC50 (rat, male and female): 73.5 mg/l Exposure time: 4 h

	Test atmosphere: vapour Method: OECD Test Guideline 403
Acute dermal toxicity	LD50 (rabbit, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes Remarks: Information given is based on data obtained from similar substances.

Skin corrosion/irritation

Product:

Remarks: Irritating to skin.

Components:

64742-49-0:
Species: rabbit
Result: Irritating to skin.

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

68410-97-9:
Species: rabbit
Result: Irritating to skin.

67-63-0:
Species: rabbit
Result: Mild skin irritation

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

110-82-7:
Species: rabbit
Result: Irritating to skin.

111-65-9:

Species: rabbit
Result: Irritating to skin.

142-82-5:
Species: rabbit
Exposure time: 24 h
Method: OECD Test Guideline 404
Result: Irritating to skin.
GLP: yes
Remarks: Based on a similar product formulation.

Serious eye damage/eye irritation

Product:

Remarks: Irritating to eyes.

Components:

64742-49-0:
Species: rabbit
Result: Irritating to eyes.

64742-89-8:
Species: rabbit
Result: Irritating to eyes.

68410-97-9:
Species: rabbit
Result: Irritating to eyes.

67-63-0:
Species: rabbit
Result: Irritating to eyes.

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
Result: Irritating to eyes.

110-82-7:
Species: rabbit
Result: Mild eye irritation

111-65-9:
Species: rabbit

Result: No eye irritation

142-82-5:
Species: rabbit
Result: Irritating to eyes.
Method: OECD Test Guideline 405
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Respiratory or skin sensitisation

Components:
64742-49-0:
Test Type: Buehler Test
Species: guinea pig
Result: Did not cause sensitisation on laboratory animals.

64742-89-8:
Test Type: Buehler Test
Species: guinea pig
Result: Did not cause sensitisation on laboratory animals.

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.

110-82-7:
Test Type: Buehler Test
Species: guinea pig
Result: Did not cause sensitisation on laboratory animals.

111-65-9:
Test Type: Maximisation Test (GPMT)
Species: guinea pig
Result: Does not cause skin sensitisation.

142-82-5:
Test Type: Maximization test

Species: guinea pig
Method: OECD Test Guideline 406
Result: Does not cause skin sensitisation.
Remarks: Based on a similar product formulation.

Germ cell mutagenicity

Components:

64742-49-0:

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

64742-89-8:

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

68410-97-9:

Genotoxicity in vitro	Test Type: Mammalian cell gene mutation assay Test species: mouse lymphoma cells Result: positive
Genotoxicity in vivo	Test Type: In vivo micronucleus test Test species: mouse Method: OECD Test Guideline 474 Result: positive
Germ cell mutagenicity-Assessment	Positive result(s) from in vivo heritable germ cell mutagenicity tests in mammals

67-63-0:

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

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.

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

110-82-7:

Genotoxicity in vitro	Test Type: Mammalian cell gene mutation assay Metabolic activation: with and without metabolic activation Result: negative
Genotoxicity in vivo	Test Type: Chromosome aberration assay in vivo Test species: rat Cell type: Bone marrow Application Route: inhalation (vapour) Exposure time: 6 h/d, 5 d Result: negative
Germ cell mutagenicity-Assessment	Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

111-65-9:

Genotoxicity in vitro	Test Type: Mammalian cell gene mutation assay Test species: human lymphoblastoid cells Metabolic activation: with and without metabolic activation Result: negative
Germ cell mutagenicity-Assessment	Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

142-82-5:

Genotoxicity in vitro	Test Type: Chromosome aberration test in vitro Test species: Rat liver Metabolic activation: Without metabolic activation Method: OECD Test Guideline 473 Result: negative Test Type: Ames test Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative
Germ cell mutagenicity-Assessment	Did not show mutagenic effects in animal experiments.

Carcinogenicity

Components:

64742-49-0:

Carcinogenicity - Assessment	Not classifiable as a human carcinogen.

64742-89-8:

Carcinogenicity - Assessment	Not classifiable as a human carcinogen.

68410-97-9:
Species: mouse
NOAEL: 50 mg/kg bw/day

Method: OECD Test Guideline 451
Result: evidence of carcinogenic activity

Carcinogenicity - Assessment	: Possible human carcinogen

67-63-0:
Species: rat
NOAEL: 5,000 ppm

Method: OECD Test Guideline 451

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

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 : Not classifiable as a human carcinogen.

64742-88-7:
Carcinogenicity - Assessment Not classifiable as a human carcinogen.

110-82-7:
Species: mouse
Application Route: Dermal
Exposure time: 45 wks
Dose: 100 ul
Frequency of Treatment: 3 times/wk
Result: Weak tumor promoter

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

111-65-9:
Carcinogenicity - Assessment No evidence of carcinogenicity in animal studies.

142-82-5:
Remarks: This information is not available.

Carcinogenicity - Assessment Carcinogenicity classification not possible from current data.

Reproductive toxicity

Components:
64742-49-0:
Reproductive toxicity - Assessment Fertility classification not possible from current data.
Embryotoxicity classification not possible from current

	data.
64742-89-8:	
Reproductive toxicity - Assessment	Fertility classification not possible from current data. Embryotoxicity classification not possible from current data.
68410-97-9:	
Reproductive toxicity - Assessment	Fertility classification not possible from current data. Embryotoxicity classification not possible from current data.
67-63-0:	
Reproductive toxicity - Assessment	Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.
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: >= 1,500 mg/kg body weight Symptoms: Reduced maternal body weight gain. Reduced offspring weight gain. Result: No reproductive effects.
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: >= 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 - Assessment	Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.
110-82-7:	
Effects on fertility	Test Type: Two-generation study Species: rat Application Route: vapour Frequency of Treatment: 5 days/week General Toxicity - Parent: NOAEC: 500 ppm
Effects on foetal development	Test Type: Fertility/early embryonic development Species: rat Application Route: vapour Duration of Single Treatment: 10 d Developmental Toxicity: NOAEC: 7,000 ppm Method: OECD Test Guideline 414 GLP: yes
Reproductive toxicity - Assessment	No evidence of adverse effects on sexual function and fertility, and on development, based on animal exper-

	iments.
111-65-9:	
Effects on fertility	Test Type: Two-generation study Species: rat Application Route: inhalation (vapour) Duration of Single Treatment: 6 h Frequency of Treatment: 5 days/week Fertility: 9,000 ppm
Effects on foetal development	Test Type: Embryo-foetal development Species: mouse Application Route: Inhalation Duration of Single Treatment: 18 d Teratogenicity: LOAEL: 31,680 mg/m3
Reproductive toxicity - Assessment	No evidence of adverse effects on sexual function and fertility, and on development, based on animal experiments.
142-82-5:	
Effects on fertility	Test Type: Two-generation study Species: rat, male and female Application Route: vapour Dose: 0, 900, 3000, 9000 ppm Frequency of Treatment: 5 days/week General Toxicity - Parent: NOAEC: 3,000 ppm General Toxicity F1: NOAEC: 3,000 ppm Fertility: NOAEC: 9,000 ppm Symptoms: Reduced maternal body weight gain. Reduced offspring weight gain. Method: OECD Test Guideline 416 Result: No reproductive effects. GLP: yes Remarks: Information given is based on data obtained from similar substances.
Effects on foetal development	Species: mouse Application Route: inhalation (vapour) Dose: 0, 900, 3000, 9000 ppm Duration of Single Treatment: 10 d Frequency of Treatment: 6 hr/day General Toxicity Maternal: NOAEC: 900 ppm Developmental Toxicity: NOAEC: 3,000 ppm Symptoms: Skeletal malformations. Method: OECD Test Guideline 414 GLP: yes Remarks: Information given is based on data obtained from similar substances.
Reproductive toxicity -	Animal testing did not show any effects on fertility.

Assessment	Embryotoxicity classification not possible from current data.

STOT - single exposure

Product: No data available

Components:

64742-49-0:

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, category 3 with narcotic effects.	

64742-89-8:No data available

68410-97-9:

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, category 3 with narcotic effects.	

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.	

110-82-7:

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.	

111-65-9:

Exposure routes:	Target Organs:	Assessment:	Remarks:
Inhalation	Central nervous system	The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects., May cause drowsiness or dizziness.	

142-82-5:

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.	

STOT - repeated exposure

Product: No data available

Components:

64742-49-0: No data available

64742-89-8: No data available

68410-97-9: No data available

67-63-0: No data available

64742-47-8: No data available

64742-88-7: No data available

110-82-7: No data available

111-65-9: No data available

142-82-5: No data available

Repeated dose toxicity

Components:

64742-89-8:
Species: rat, male and female
NOAEL: 1402
Application Route: inhalation (vapour)
Test atmosphere: vapour
Exposure time: 13 weeks
Number of exposures: 6 hours/day, 5 days/week
Dose: 322, 1402, 9869 mg/m3
GLP: yes
Target Organs: Kidney
Symptoms: Nasal and ocular discharge

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: >=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

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

110-82-7:
Species: rat
NOAEL: 7000 ppm
Application Route: inhalation (vapour)
Exposure time: 90 d
Number of exposures: 6 h/d, 5 d/wk

111-65-9:
Species: rat
NOAEL: 8.4 mg/l
Application Route: Inhalation
Test atmosphere: vapour
Exposure time: 13 weeks
Number of exposures: 6 h/d, 5 d/wk

Repeated dose toxicity - Assessment : Causes skin irritation.

142-82-5:
Species: rat, male
NOAEL: 12470 mg/m3
Application Route: inhalation (vapour)
Exposure time: 16 wks
Number of exposures: 12 h/d, 7 d/wk
Dose: 0, 12470 mg/3

Repeated dose toxicity - Assessment Causes skin irritation.

Aspiration toxicity

Components:

64742-49-0:
May be fatal if swallowed and enters airways.

64742-89-8:
May be fatal if swallowed and enters airways.

68410-97-9:
May be fatal if swallowed and enters airways.

64742-47-8:
May be fatal if swallowed and enters airways.

64742-88-7:
May be fatal if swallowed and enters airways.

110-82-7:
May be fatal if swallowed and enters airways.

111-65-9:
The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

142-82-5:
Aspiration Toxicity - Category 1

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

64742-49-0:

Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 10 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 4.5 mg/l Exposure time: 48 h
Toxicity to algae	EC50 (Pseudokirchneriella subcapitata (green algae)): 3.71 mg/l Exposure time: 96 h
Ecotoxicology Assessment Acute aquatic toxicity	Toxic to aquatic life.
Chronic aquatic toxicity	Toxic to aquatic life with long lasting effects.

64742-89-8:

Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 8.2 mg/l Exposure time: 96 h Test Type: semi-static test
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 4.5 mg/l Exposure time: 48 h Test Type: Immobilization Analytical monitoring: yes
Toxicity to algae	EC50 (Pseudokirchneriella subcapitata (green algae)): 3.7 mg/l 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.

68410-97-9:

Toxicity to fish	LC50 (Pimephales promelas (fathead minnow)): 8.2 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 4.5 mg/l Exposure time: 48 h
Toxicity to algae	EC50 (Pseudokirchneriella subcapitata (green algae)): 3.1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Ecotoxicology Assessment	
Acute aquatic toxicity	Toxic to aquatic life.
Chronic aquatic toxicity	Toxic 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
Toxicity to algae	Remarks: No data available

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:

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.

110-82-7:

Toxicity to fish	LC50 (Fathead minnow (Pimephales promelas)): 4.53 mg/l Exposure time: 96 h Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 0.9 mg/l Exposure time: 48 h Test Type: static test
Toxicity to algae	EC50 (Selenastrum capricornutum (green algae)): 3.4 mg/l End point: Biomass Exposure time: 72 h
M-Factor (Acute aquatic toxicity)	1
Ecotoxicology Assessment	
Acute aquatic toxicity	Very toxic to aquatic life.
Chronic aquatic toxicity	Very toxic to aquatic life with long lasting effects.

111-65-9:

Toxicity to fish	LL50 (Oncorhynchus mykiss (rainbow trout)): 2.59 mg/l Exposure time: 96 h Method: Petrotox model Remarks: Modeled result from QSAR
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 0.3 mg/l Exposure time: 48 h Test Type: static test
Toxicity to algae	EL50 (Pseudokirchneriella subcapitata (Selenastrum capricornutum)): 2.084 mg/l End point: Biomass Exposure time: 72 h Method: Petrotox model Remarks: Modeled result from QSAR
M-Factor (Acute aquatic toxicity)	1
Ecotoxicology Assessment	
Acute aquatic toxicity	Very toxic to aquatic life.
Chronic aquatic toxicity	Very toxic to aquatic life with long lasting effects.

142-82-5:

Toxicity to fish	LC50 (Carassius auratus (goldfish)): 4 mg/l Exposure time: 24 h Remarks: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 1.5 mg/l Exposure time: 48 h Test Type: static test Remarks: Very toxic to aquatic organisms.
Toxicity to algae	Remarks: No data available
Ecotoxicology Assessment Acute aquatic toxicity	Very toxic to aquatic life.
Chronic aquatic toxicity	Very toxic to aquatic life with long lasting effects.

Persistence and degradability

Components:

64742-49-0:

Biodegradability	aerobic Inoculum: activated sludge Concentration: 20 mg/l Biodegradation: 74.30 % Exposure time: 56 d GLP: yes Remarks: Inherently biodegradable.

64742-89-8:

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

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
110-82-7:	
Biodegradability	aerobic Inoculum: activated sludge Result: Readily biodegradable. Biodegradation: 77 % Exposure time: 28 d
111-65-9:	
Biodegradability	aerobic Inoculum: Activated sludge, domestic, non-adapted Result: Readily biodegradable. Biodegradation: 100 % Exposure time: 25 d
142-82-5:	
Biodegradability	Primary biodegradation Inoculum: activated sludge Concentration: 100 mg/l Biodegradation: 100 % Testing period: 2 d Exposure time: 25 d Remarks: Readily biodegradable

Bioaccumulative potential

Components:

64742-49-0:	
Partition coefficient: n-octanol/water	Remarks: No data available
64742-89-8:	
Partition coefficient: n-octanol/water	log Pow: 2.13 - 4.85 (25 °C)
110-82-7:	
Bioaccumulation	Bioconcentration factor (BCF): 167 Remarks: No bioaccumulation is to be expected (log Pow <= 4).
Partition coefficient: n-octanol/water	log Pow: 3.44
111-65-9:	
Partition coefficient: n-octanol/water	log Pow: 5.15

Mobility in soil

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., 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.
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:10 °C(50 °F)

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

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

SECTION 15. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Carcinogen, Toxic by inhalation., Harmful by ingestion., Harmful by skin absorption., Moderate skin irritant, Moderate eye irritant, Teratogen, Reproductive hazard, Mutagen, 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)
Benzene	71-43-2	10	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

SARA 311/312 Hazards Fire Hazard
Chronic Health Hazard
Acute 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	0.092 %
108-88-3	Toluene	0.092 %
71-43-2	Benzene	0.092 %
110-54-3	Hexane	0.0168 %
91-20-3	Naphthalene	0.0093 %
98-82-8	Cumene	0.0076 %

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

67-63-0	Isopropyl alcohol	7.9132 %
110-82-7	Cyclohexane	2.1085 %
1330-20-7	Mixed xylenes	0.1096 %
100-41-4	Ethylbenzene	0.092 %

108-88-3	Toluene	0.092 %
71-43-2	Benzene	0.092 %
64-17-5	Ethanol	0.0079 %
98-82-8	Cumene	0.0076 %
71-23-8	n-Propanol	0.0011 %

Clean Water Act

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

110-82-7	Cyclohexane	2.1085 %
1330-20-7	Mixed xylenes	0.1096 %
100-41-4	Ethylbenzene	0.092 %
108-88-3	Toluene	0.092 %
71-43-2	Benzene	0.092 %
91-20-3	Naphthalene	0.0093 %

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

110-82-7	Cyclohexane	2.1085 %
1330-20-7	Mixed xylenes	0.1096 %
100-41-4	Ethylbenzene	0.092 %
108-88-3	Toluene	0.092 %
71-43-2	Benzene	0.092 %
91-20-3	Naphthalene	0.0093 %

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

67-63-0	Isopropyl alcohol	5 - 10 %
110-82-7	Cyclohexane	1 - 5 %
111-65-9	Octane	1 - 5 %
71-43-2	Benzene	0 - 0.1 %

Pennsylvania Right To Know

64742-49-0	Naphtha (pet), hydrotreated lt	0 - 90 %
64742-89-8	Solvent naphtha (pet), lt aliph.	0 - 90 %
68410-97-9	Distillates, pet, lt dist hydrotreat process, low-boil	0 - 90 %
67-63-0	Isopropyl alcohol	5 - 10 %
64742-47-8	Distillates (pet), hydrotreated light	0 - 10 %
64742-88-7	Solvent naphtha (pet), med aliph.	0 - 10 %
110-82-7	Cyclohexane	1 - 5 %
111-65-9	Octane	1 - 5 %
1330-20-7	Mixed xylenes	0.1 - 1 %
100-41-4	Ethylbenzene	0 - 0.1 %
108-88-3	Toluene	0 - 0.1 %
71-43-2	Benzene	0 - 0.1 %

New Jersey Right To Know

64742-49-0	Naphtha (pet), hydrotreated lt	0 - 90 %
64742-89-8	Solvent naphtha (pet), lt aliph.	0 - 90 %
68410-97-9	Distillates, pet, lt dist hydrotreat process, low-boil	0 - 90 %
67-63-0	Isopropyl alcohol	5 - 10 %
64742-47-8	Distillates (pet), hydrotreated light	0 - 10 %
64742-88-7	Solvent naphtha (pet), med aliph.	0 - 10 %
110-82-7	Cyclohexane	1 - 5 %
111-65-9	Octane	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

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

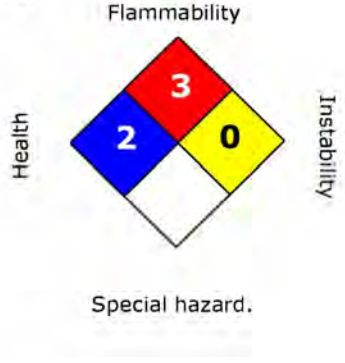
Switzerland. New notified substances and declared preparations		y (positive listing) (The formulation contains substances listed on the Swiss Inventory)
United States TSCA Inventory		y (positive listing) (On TSCA Inventory)
Canadian Domestic Substances List (DSL)		y (positive listing) (All components 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) (Not in compliance with the inventory)
Japan. ENCS - Existing and New Chemical		n (Negative listing)

Substances Inventory		(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)

SECTION 16. OTHER INFORMATION

Version 2.1
Revision Date 08/19/2016

NFPA:



HMIS III:

HEALTH	2*
FLAMMABILITY	3
PHYSICAL HAZARD	0

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

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Safety Data Sheet

Legecy MSDS: R0375624

Material number:
547006, 111513

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	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%	