



Safety Data Sheet

Mineral Spirits NE

Version 0.0

Revision Date: 04/10/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Mineral Spirits NE
Product Use Description : Solvent.

Manufacturer or supplier's details

Company : Famis Inc.
Address : 5689 NW 35th court
Miami FL, 33142
United States of America

Emergency telephone number:
Transport North America: CHEMTREC 800.424.9300

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 3
Skin irritation : Category 2
Eye irritation : Category 2A
Germ cell mutagenicity : Category 1B
Carcinogenicity : Category 1A
Reproductive toxicity : Category 2
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)
Specific target organ toxicity - repeated exposure : Category 1
Aspiration hazard : Category 1

GHS Label element

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Hazard pictograms



Signal word

: Danger

Hazard statements

: H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H340 May cause genetic defects.
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.

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.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ 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



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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

- Primary Routes of Entry : Inhalation
Skin contact
Eye Contact
Ingestion
- Aggravated Medical Condition : Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:
Kidney
Liver
Skin
Respiratory disorders
Central nervous system
auditory system
- Symptoms of Overexposure : Irritation
Dermatitis
Headache
Dizziness
Unconsciousness
Aspiration may cause pulmonary oedema and pneumonia.
Fatigue
Nausea



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Carcinogenicity:

IARC

Group 1: Carcinogenic to humans

71-43-2 **Benzene

Group 2B: Possibly carcinogenic to humans

91-20-3 **Naphthalene

98-82-8 **Cumene

100-41-4 **Ethylbenzene

ACGIH

Confirmed human carcinogen

71-43-2 **Benzene

Confirmed animal carcinogen with unknown relevance to humans

100-41-4 **Ethylbenzene

OSHA

OSHA specifically regulated carcinogen

71-43-2 **Benzene

NTP

Known to be human carcinogen

71-43-2 **Benzene

Reasonably anticipated to be a human carcinogen

91-20-3 **Naphthalene

Emergency Overview

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

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CAS-No.	Chemical Name	Concentration (%)
8052-41-3 / 64742-88-7 / 64742-48-9	Stoddard Solvent AND/OR Solvent Naphtha (Petroleum), Medium Aliph. AND/OR Hydro-treated Naphtha, Heavy (**Impurities)	90 - 100
25551-13-7	**Benzene, trimethyl-	5 - 10
95-63-6	**1,2,4-trimethylbenzene	5 - 10
1330-20-7	**Mixed Xylenes	5 - 10
91-20-3	**Naphthalene	5 - 10
111-84-2	**Nonane	5 - 10
108-88-3	**Toluene	1 - 5
98-82-8	**Cumene	1 - 5
100-41-4	**Ethylbenzene	1 - 5
110-54-3	**n-Hexane	1 - 5
71-43-2	**Benzene	0.1 - 1

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 : If unconscious place in recovery position and seek medical advice.
Remove to fresh air. Give artificial respiration if not breathing. Keep victim warm and at rest. Call a physician.
- In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
Wash contaminated clothing before reuse.
Thoroughly clean shoes before reuse.
- 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.



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Most important symptoms and effects, both acute and delayed	: Take victim immediately to hospital. : Irritation Dermatitis Headache Dizziness Unconsciousness Aspiration may cause pulmonary oedema and pneumonia. Fatigue Nausea
Protection of first-aiders	: First Aid responders should pay attention to self-protection and use the recommended protective clothing
Notes to physician	: In case of shortness of breath, give oxygen. Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Alcohol-resistant foam Carbon dioxide (CO ₂) Dry chemical
Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: Carbon oxides Fume Smoke Unburned hydrocarbons
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 equip-	: Wear full firefighting turn-out gear (full Bunker gear),

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ment for firefighters

and respiratory protection (SCBA).

NFPA Flammable and Combustible Liquids Classification:

Flammable Liquid Class IC

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 precau-
tions

: 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 con-
tainer for disposal according to local / national regula-
tions (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 discharg-
es.
Provide sufficient air exchange and/or exhaust in work
rooms.
Open drum carefully as content may be under pres-
sure.
Dispose of rinse water in accordance with local and
national regulations.

Conditions for safe stor-
age

: No smoking.
Keep container tightly closed in a dry and well-
ventilated place.



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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
8052-41-3 / 64742-88-7 / 64742-48-9	Stoddard Solvent AND/OR Solvent Naphtha (Petroleum), Medium Aliph. AND/OR Hydrotreated Naphtha, Heavy (**Impurities)	TWA	100 ppm	ACGIH
		TWA	350 mg/m ³	NIOSH REL
		C	1,800 mg/m ³	NIOSH REL
		TWA	500 ppm 2,900 mg/m ³	OSHA Z-1
		TWA	100 ppm 525 mg/m ³	OSHA P0
25551-13-7	**Benzene, trimethyl-	TWA	25 ppm	ACGIH
		TWA	25 ppm 125 mg/m ³	OSHA P0
95-63-6	**1,2,4-trimethylbenzene	TWA	25 ppm 125 mg/m ³	NIOSH REL
1330-20-7	**Mixed Xylenes	TWA	100 ppm 435 mg/m ³	OSHA Z-1
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		STEL	150 ppm 655 mg/m ³	OSHA P0
		TWA	100 ppm 435 mg/m ³	OSHA P0
91-20-3	**Naphthalene	TWA	10 ppm	ACGIH
		STEL	15 ppm	ACGIH
		TWA	10 ppm 50 mg/m ³	NIOSH REL
		ST	15 ppm 75 mg/m ³	NIOSH REL
		TWA	10 ppm 50 mg/m ³	OSHA Z-1



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		TWA	10 ppm 50 mg/m ³	OSHA P0
		STEL	15 ppm 75 mg/m ³	OSHA P0
111-84-2	**Nonane	TWA	200 ppm	ACGIH
		TWA	200 ppm 1,050 mg/m ³	NIOSH REL
		TWA	200 ppm 1,050 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 375 mg/m ³	OSHA P0
		STEL	150 ppm 560 mg/m ³	OSHA P0
98-82-8	**Cumene	TWA	50 ppm	ACGIH
		TWA	50 ppm 245 mg/m ³	NIOSH REL
		TWA	50 ppm 245 mg/m ³	OSHA Z-1
		TWA	50 ppm 245 mg/m ³	OSHA P0
100-41-4	**Ethylbenzene	TWA	20 ppm	ACGIH
		TWA	100 ppm 435 mg/m ³	NIOSH REL
		ST	125 ppm 545 mg/m ³	NIOSH REL
		TWA	100 ppm 435 mg/m ³	OSHA Z-1
		TWA	100 ppm 435 mg/m ³	OSHA P0
		STEL	125 ppm 545 mg/m ³	OSHA P0
110-54-3	**n-Hexane	TWA	50 ppm	ACGIH
		TWA	50 ppm 180 mg/m ³	NIOSH REL
		TWA	500 ppm 1,800 mg/m ³	OSHA Z-1
		TWA	50 ppm 180 mg/m ³	OSHA P0
71-43-2	**Benzene	TWA	0.5 ppm	ACGIH
		STEL	2.5 ppm	ACGIH
		TWA	0.1 ppm	NIOSH REL



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	ST	1 ppm	NIOSH REL
	PEL	1 ppm	OSHA CARC
	STEL	5 ppm	OSHA CARC
	TWA	10 ppm	OSHA Z-2
	CEIL	25 ppm	OSHA Z-2
	Peak	50 ppm	OSHA Z-2

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
**Mixed Xylenes	1330-20-7	Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI
**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
**Ethylbenzene	100-41-4	Sum of mandelic acid and phenyl glyoxylic acid	Urine	End of shift at end of work-week	0.7 g/g creatinine	ACGIH BEI
**n-Hexane	110-54-	2,5-	Urine	End of	0.4 mg/l	ACGIH

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	3	Hexanedi-one		shift at end of work-week		BEI
**Benzene	71-43-2	S-Phenyl-mercapturic acid	Urine	End of shift (As soon as possible after exposure ceases)	25 µg/g creatinine	ACGIH BEI
		t,t-Muonic acid	Urine	End of shift (As soon as possible after exposure ceases)	500 µg/g creatinine	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.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: clear, transparent
Odour	: petroleum distillates, solvent-like, hydrocarbon-like
Odour Threshold	: No data available
pH	: not applicable
Freezing Point (Freezing Point)	: -76 °C (-105 °F)
Boiling Point (Boiling point/boiling range)	: 157 - 218 °C (315 - 424 °F)
Flash point	: 37.78 - 44 °C (100.00 - 111 °F)
Evaporation rate	: 0.14 - 0.2 n-Butyl Acetate
Flammability (solid, gas)	: No data available
Burning rate	: No data available
Upper explosion limit	: 5.6 - 7.0 %(V)
Lower explosion limit	: 0.5 - 1.1 %(V)
Vapour pressure	: 0.22 - 0.62 mmHg @ 20 °C (68 °F)
Relative vapour density	: 4.9
Relative density	: 0.77 - 0.80 @ 15.5 °C (59.9 °F) Reference substance: (water = 1)
Density	: No data available
Bulk density	: No data available
Solubility(ies)	
Water solubility	: 0.05 g/l negligible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available

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Auto-ignition temperature	: 229 - 282 °C
Thermal decomposition	: No data available
Viscosity	
Viscosity, kinematic	: 1.03 mm ² /s @ 40 °C (104 °F)

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	: Reducing agents Strong bases Strong oxidizing agents
Hazardous decomposition products	: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

Acute oral toxicity	: LD50 (rat): > 5,000 mg/kg Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	: LC50 (rat, male and female): >5500 Exposure time: 4 h Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (rabbit, male and female): > 2,000 mg/kg

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GLP: yes
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Product:

Classification: Irritating to skin.

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

Species: rabbit

Exposure time: 4 h

Method: OECD Test Guideline 404

Result: Irritating to skin.

Serious eye damage/eye irritation

Product:

Classification: Irritating to eyes.

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

Species: rabbit

Result: Irritating to eyes.

Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

Test Type: Buehler Test

Species: guinea pig

Method: OECD Test Guideline 406

Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

Genotoxicity in vitro

: Test Type: Ames test

Metabolic activation: with and without metabolic activation

Result: positive

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- Genotoxicity in vivo : Test Type: Chromosome aberration test in vitro
Test species: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Result: positive
- Genotoxicity in vivo : Test Type: In vivo micronucleus test
Test species: mouse
Cell type: Peripheral blood erythrocytes
Application Route: Inhalation
Exposure time: 3 mths
Dose: 138 - 2200 mg/m³
Result: positive
- Genotoxicity in vivo : Test Type: In vivo micronucleus test
Test species: rat
Cell type: Peripheral blood erythrocytes
Application Route: Inhalation
Exposure time: 3 mths
Dose: 138 - 2200 mg/m³
Result: positive
- Germ cell mutagenicity-Assessment : Positive result(s) from in vivo heritable germ cell mutagenicity tests in mammals

Carcinogenicity

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

Species: rat, (male and female)
Application Route: Inhalation
Exposure time: 105 wks
Activity duration: 6 h
Dose: 0, 138, 550, 1100, 2200 mg/m³
Frequency of Treatment: 5 days/week
NOAEL: 138 mg/m³

Result: No evidence of carcinogenic activity in females, Evidence of carcinogenic activity in males

Symptoms: Increased incidence of pheochromocytomas in adrenal glands

Remarks: Category 1B

Carcinogenicity - Assessment : Human carcinogen.

98-82-8:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

100-41-4:

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Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

Reproductive toxicity

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

Effects on fertility : Species: rat
Application Route: Oral
Dose: 0, 750, 1500, 3000 mg/kg/d
General Toxicity - Parent: NOAEL: 1,500 mg/kg body weight
Fertility: NOAEL: \geq 3,000 mg/kg body weight
Symptoms: weight loss
Result: No reproductive effects.
Remarks: Information given is based on data obtained from similar substances.

Species: rat
Application Route: Oral
Dose: 0, 325, 750, 1500 mg/kg/d
General Toxicity - Parent: NOAEL: 750 mg/kg body weight
General Toxicity F1: NOAEL: 750 mg/kg body weight
Fertility: NOAEL: \geq 1,500 mg/kg body weight
Symptoms: Reduced maternal body weight gain. Reduced offspring weight gain.
Result: Animal testing did not show any effects on fertility.
Remarks: Information given is based on data obtained from similar substances.

Species: rat
Application Route: Dermal
Dose: 0, 165, 330, 494 mg/kg
General Toxicity - Parent: NOAEL: \geq 494 mg/kg
Fertility: NOAEL: \geq 494 mg/kg
Early Embryonic Development: NOAEL: \geq 494 mg/kg
Result: No reproductive effects.
Remarks: Information given is based on data obtained from similar substances.

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



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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 : Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.
 No evidence of adverse effects on sexual function and fertility, and on development, based on animal experiments.

STOT - single exposure

Product:No data available

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

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.	

25551-13-7:No data available

95-63-6:No data available

1330-20-7:No data available

91-20-3:No data available

111-84-2:No data available

108-88-3:No data available

98-82-8:No data available

100-41-4:No data available



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110-54-3:No data available

71-43-2:No data available

STOT - repeated exposure

Product:No data available

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

Exposure routes:	Target Organs:	Assessment:	Remarks:
		Causes damage to organs through prolonged or repeated exposure.	

25551-13-7:No data available

95-63-6:No data available

1330-20-7:No data available

91-20-3:No data available

111-84-2:No data available

108-88-3:No data available

98-82-8:No data available

100-41-4:No data available

110-54-3:No data available

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71-43-2:No data available

Repeated dose toxicity

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

Species: rat, male and female

NOAEL: 275

Application Route: Inhalation

Exposure time: 14 wks

Number of exposures: 6 h/d, 5 d/wk

Dose: 138, 275, 550, 1100, 2200mg/m³

Group: yes

Symptoms: nasal symptoms, Testicular effects, Kidney disorders

Remarks: male rat hydrocarbon nephropathy not relevant to humans

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: mouse, male and female

LOAEL: 138

Application Route: Inhalation

Exposure time: 14 wks

Number of exposures: 6 h/d, 5 d/wk

Dose: 138, 275, 550, 1100, 2200mg/m³

Group: yes

Symptoms: Spleen effects

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

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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

Aspiration toxicity

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

May be fatal if swallowed and enters airways.

Further information

Product:

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

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

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

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Version 0.0

Revision Date: 04/10/2015

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.

Persistence and degradability

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

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

Bioaccumulative potential

Components:

95-63-6:

Partition coefficient: n-octanol/water : Remarks: No data available

1330-20-7:

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

91-20-3:

Partition coefficient: n-octanol/water : log Pow: 3.4 (25 °C)
pH: 7 - 7.5

108-88-3:

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



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octanol/water

98-82-8:

Partition coefficient: n-octanol/water : log Pow: 3.55 (23 °C)

71-43-2:

Partition coefficient: n-octanol/water : Pow: 2.13 (25 °C)
pH: 7

Mobility in soil

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:

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.



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SECTION 14. TRANSPORT INFORMATION

IATA (International Air Transport Association): UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, Flash Point: 37.78 - 44 °C(100.00 - 111 °F)

IMDG (International Maritime Dangerous Goods): UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, Marine Pollutant (STODDARD SOLVENT, TRIMETHYLBENZENE)

DOT (Department of Transportation): UN1268, PETROLEUM DISTILLATES, N.O.S., CBL, III

Special Notes: : The flash point for this material is greater than 100 F (38 C). Therefore, in accordance with 49 CFR 173.150(f) non-bulk containers (<450L or <119 gallon capacity) of this material may be shipped as non-regulated when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Flammable liquid, Carcinogen, Moderate skin irritant, Moderate eye irritant, Moderate respiratory 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	1000

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



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SARA 302 : 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:

95-63-6	**1,2,4-trimethylbenzene	5.14 %
1330-20-7	**Mixed Xylenes	5 %
91-20-3	**Naphthalene	5 %
108-88-3	**Toluene	1.1 %
98-82-8	**Cumene	1 %
100-41-4	**Ethylbenzene	1 %
110-54-3	**n-Hexane	1 %
71-43-2	**Benzene	0.9999 %

Clean Air Act

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

1330-20-7	**Mixed Xylenes	5 %
91-20-3	**Naphthalene	5 %
108-88-3	**Toluene	1.1 %
98-82-8	**Cumene	1 %
100-41-4	**Ethylbenzene	1 %
110-54-3	**n-Hexane	1 %
71-43-2	**Benzene	0.9999 %

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

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

1330-20-7	**Mixed Xylenes	5 %
108-88-3	**Toluene	1.1 %
98-82-8	**Cumene	1 %
100-41-4	**Ethylbenzene	1 %
71-43-2	**Benzene	0.9999 %

Clean Water Act

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

91-20-3	**Naphthalene	5 %
108-88-3	**Toluene	1.1 %
100-41-4	**Ethylbenzene	1 %



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

1330-20-7	**Mixed Xylenes	5 %
91-20-3	**Naphthalene	5 %
108-88-3	**Toluene	1.1 %
100-41-4	**Ethylbenzene	1 %
71-43-2	**Benzene	0.9999 %

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

1330-20-7	**Mixed Xylenes	5 %
91-20-3	**Naphthalene	5 %
108-88-3	**Toluene	1.1 %
100-41-4	**Ethylbenzene	1 %
71-43-2	**Benzene	0.9999 %

Massachusetts Right To Know

8052-41-3 / 64742-88-7 / 64742-48-9	Stoddard Solvent AND/OR Solvent Naphtha (Petroleum), Medium Aliph. AND/OR Hydrotreated Naphtha, Heavy (**Impurities)	90 - 100 %
25551-13-7	**Benzene, trimethyl-	5 - 10 %
95-63-6	**1,2,4-trimethylbenzene	5 - 10 %
1330-20-7	**Mixed Xylenes	5 - 10 %
91-20-3	**Naphthalene	5 - 10 %
111-84-2	**Nonane	5 - 10 %
108-88-3	**Toluene	1 - 5 %
98-82-8	**Cumene	1 - 5 %
100-41-4	**Ethylbenzene	1 - 5 %
110-54-3	**n-Hexane	1 - 5 %
71-43-2	**Benzene	0.1 - 1 %

Pennsylvania Right To Know

8052-41-3 / 64742-88-7 / 64742-48-9	Stoddard Solvent AND/OR Solvent Naphtha (Petroleum), Medium Aliph. AND/OR Hydrotreated Naphtha, Heavy (**Impurities)	90 - 100 %
25551-13-7	**Benzene, trimethyl-	5 - 10 %
95-63-6	**1,2,4-trimethylbenzene	5 - 10 %
1330-20-7	**Mixed Xylenes	5 - 10 %
91-20-3	**Naphthalene	5 - 10 %
111-84-2	**Nonane	5 - 10 %
108-88-3	**Toluene	1 - 5 %
98-82-8	**Cumene	1 - 5 %
100-41-4	**Ethylbenzene	1 - 5 %
110-54-3	**n-Hexane	1 - 5 %
71-43-2	**Benzene	0.1 - 1 %

New Jersey Right To Know



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8052-41-3 / 64742-88-7 / 64742-48-9	Stoddard Solvent AND/OR Solvent Naphtha (Petroleum), Medium Aliph. AND/OR Hydrotreated Naphtha, Heavy (**Impurities)	90 - 100 %
25551-13-7	**Benzene, trimethyl-	5 - 10 %
95-63-6	**1,2,4-trimethylbenzene	5 - 10 %
1330-20-7	**Mixed Xylenes	5 - 10 %
91-20-3	**Naphthalene	5 - 10 %
111-84-2	**Nonane	5 - 10 %
108-88-3	**Toluene	1 - 5 %
98-82-8	**Cumene	1 - 5 %
100-41-4	**Ethylbenzene	1 - 5 %
110-54-3	**n-Hexane	1 - 5 %
71-43-2	**Benzene	0.1 - 1 %

California Prop 65

	WARNING! This product contains a chemical known to the State of California to cause cancer.
91-20-3	**Naphthalene
98-82-8	**Cumene
100-41-4	**Ethylbenzene
71-43-2	**Benzene
	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)
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	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Japan. ENCS - Existing and New Chemical	:	n (Negative listing)

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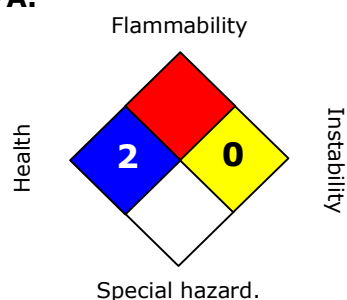
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Substances Inventory		(Not in compliance with the inventory)
Korea. Korean Existing Chemicals Inventory (KECI)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Philippines Inventory of Chemicals and Chemical Substances (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

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.



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Legacy MSDS: R0000589

Material number:

86037, 16075682, 16056759, 16056758, 16002525, 782184, 765097, 722819, 687316, 675948, 661358, 640758, 581940, 554166, 554247, 554201, 554165, 102692, 70151, 102993, 85984, 86611, 547091, 547061, 547062, 550245, 508581, 70142, 102366, 102354, 70154, 69933, 102904, 87262, 102913, 102901, 69595, 157504, 20084, 20082, 20072, 503757, 502847, 39830, 20078, 20077, 20076, 20075

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50			Lethal Concentration 50%