

# Safety Data Sheet

## Mineral Spirits NE

Version 0.0

Revision Date: 04/16/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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

#### Manufacturer or supplier's details

**Company** Southeastern Chemical Industries Group LLC  
**Address** 660 Oak Place  
Port Orange, FL 32127  
United States of America  
386.760.9332

**Emergency telephone number:**  
Transport North America: INFOTRAC 800.535.5053

### 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 1B  
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)  
Aspiration hazard : Category 1

#### GHS Label element

Hazard pictograms :





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- 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.
- 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.



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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

### 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



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	100-41-4	**Ethylbenzene
<b>ACGIH</b>	Confirmed human carcinogen	
	71-43-2	**Benzene
	Confirmed animal carcinogen with unknown relevance to humans	
	100-41-4	**Ethylbenzene
<b>OSHA</b>	OSHA specifically regulated carcinogen	
	71-43-2	**Benzene
<b>NTP</b>	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

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	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



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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

**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.  
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.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Irritation  
Dermatitis  
Headache  
Dizziness  
Unconsciousness



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	Aspiration may cause pulmonary oedema and pneumonitis. 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

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#### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Alcohol-resistant foam Carbon dioxide (CO <sub>2</sub> ) 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 equipment for firefighters	: Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

**NFPA Flammable and Combustible Liquids Classification:**  
Flammable Liquid Class IC

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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- |   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.<br>Ensure adequate ventilation.<br>Remove all sources of ignition.<br>Evacuate personnel to safe areas.<br>Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. |
| Environmental precautions   | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>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.<br>Do not breathe vapours/dust.<br>Avoid exposure - obtain special instructions before use.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Take precautionary measures against static discharges.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>Open drum carefully as content may be under pressure.<br>Dispose of rinse water in accordance with local and national regulations. |
| Conditions for safe storage | : No smoking.<br>Keep container tightly closed in a dry and well-ventilated place.<br>Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br>Observe label precautions.<br>Electrical installations / working materials must comply with the technological safety standards.  |



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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

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	TWA	100 ppm	ACGIH
		TWA	350 mg/m <sup>3</sup>	NIOSH REL
		C	1,800 mg/m <sup>3</sup>	NIOSH REL
		TWA	500 ppm 2,900 mg/m <sup>3</sup>	OSHA Z-1
25551-13-7	**Benzene, trimethyl-	TWA	25 ppm	ACGIH
		TWA	25 ppm 125 mg/m <sup>3</sup>	OSHA P0
95-63-6	**1,2,4-trimethylbenzene	TWA	25 ppm 125 mg/m <sup>3</sup>	NIOSH REL
1330-20-7	**Mixed Xylenes	TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA Z-1
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		STEL	150 ppm 655 mg/m <sup>3</sup>	OSHA P0
		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA P0
91-20-3	**Naphthalene	TWA	10 ppm	ACGIH
		STEL	15 ppm	ACGIH
		TWA	10 ppm 50 mg/m <sup>3</sup>	NIOSH REL
		ST	15 ppm 75 mg/m <sup>3</sup>	NIOSH REL
		TWA	10 ppm 50 mg/m <sup>3</sup>	OSHA Z-1
		TWA	10 ppm 50 mg/m <sup>3</sup>	OSHA P0
		STEL	15 ppm 75 mg/m <sup>3</sup>	OSHA P0
111-84-2	**Nonane	TWA	200 ppm	ACGIH
		TWA	200 ppm 1,050 mg/m <sup>3</sup>	NIOSH REL
		TWA	200 ppm	OSHA P0





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			1,050 mg/m <sup>3</sup>	
108-88-3	**Toluene	TWA	20 ppm	ACGIH
		TWA	100 ppm 375 mg/m <sup>3</sup>	NIOSH REL
		ST	150 ppm 560 mg/m <sup>3</sup>	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 <sup>3</sup>	OSHA P0
		STEL	150 ppm 560 mg/m <sup>3</sup>	OSHA P0
98-82-8	**Cumene	TWA	50 ppm	ACGIH
		TWA	50 ppm 245 mg/m <sup>3</sup>	NIOSH REL
		TWA	50 ppm 245 mg/m <sup>3</sup>	OSHA Z-1
		TWA	50 ppm 245 mg/m <sup>3</sup>	OSHA P0
100-41-4	**Ethylbenzene	TWA	20 ppm	ACGIH
		TWA	100 ppm 435 mg/m <sup>3</sup>	NIOSH REL
		ST	125 ppm 545 mg/m <sup>3</sup>	NIOSH REL
		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA Z-1
		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA P0
		STEL	125 ppm 545 mg/m <sup>3</sup>	OSHA P0
110-54-3	**n-Hexane	TWA	50 ppm	ACGIH
		TWA	50 ppm 180 mg/m <sup>3</sup>	NIOSH REL
		TWA	500 ppm 1,800 mg/m <sup>3</sup>	OSHA Z-1
		TWA	50 ppm 180 mg/m <sup>3</sup>	OSHA P0
71-43-2	**Benzene	TWA	0.5 ppm	ACGIH
		STEL	2.5 ppm	ACGIH
		TWA	0.1 ppm	NIOSH REL
		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



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#### 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 phenylglyoxylic acid	Urine	End of shift at end of work-week	0.7 g/g creatinine	ACGIH BEI
**n-Hexane	110-54-3	2,5-Hexanedione	Urine	End of shift at end of work-week	0.4 mg/l	ACGIH BEI
**Benzene	71-43-2	S-Phenylmercap-	Urine	End of shift (As	25 µg/g creatinine	ACGIH BEI

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		uric acid		soon as possible after exposure ceases)		
		t,t-Muconic 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.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : clear, transparent
- Odour : petroleum distillates, solvent-like, hydrocarbon-like



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



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#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: 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).

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



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#### **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

: Test Type: Chromosome aberration test in vitro  
Test species: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Result: positive



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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/m<sup>3</sup>  
Result: positive

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/m<sup>3</sup>  
Result: positive

Germ cell mutagenicity- : Positive result(s) from in vivo heritable germ cell mu-  
Assessment tagenicity 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/m<sup>3</sup>  
Frequency of Treatment: 5 days/week  
NOAEL: 138 mg/m<sup>3</sup>

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 - : Possible human carcinogen  
Assessment

##### **98-82-8:**

Carcinogenicity - : Not classifiable as a human carcinogen.  
Assessment

##### **100-41-4:**

Carcinogenicity - : Not classifiable as a human carcinogen.  
Assessment

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#### 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  
Teratogenicity: NOAEL: 2,000 mg/kg body weight  
Developmental Toxicity: NOAEL: 1,000 mg/kg body weight





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Symptoms: Reduced body weight  
 Method: OECD Test Guideline 414  
 Result: Developmental toxicity occurred at maternal toxicity dose levels, No teratogenic effects.

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, and 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

110-54-3: No data available

71-43-2: No data available



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#### **STOT - repeated exposure**

**Product:** No data available

#### **Components:**

**8052-41-3 / 64742-88-7 / 64742-48-9:** No data available

**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

**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



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Dose: 138, 275, 550, 1100, 2200mg/m<sup>3</sup>  
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/m<sup>3</sup>  
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:  $\geq 24$   
Application Route: Inhalation  
Test atmosphere: vapour  
Exposure time: 4 wks  
Number of exposures: 6 h/d, 5 d/wk  
Dose: 0, 24 mg/m<sup>3</sup>  
GLP: yes  
Remarks: Information given is based on data obtained from similar substances.

Species: rat, male and female  
NOAEL:  $\geq 0.5$  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



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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<br>Exposure time: 96 h<br>Test Type: semi-static test<br>Analytical monitoring: yes<br>Method: OECD Test Guideline 203<br>GLP: yes<br>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<br>Exposure time: 48 h<br>Test Type: static test<br>Analytical monitoring: yes<br>Method: OECD Test Guideline 202<br>GLP: yes  |
| Toxicity to algae                                   | : EL50 (Pseudokirchneriella subcapitata): 1 mg/l<br>End point: Growth rate<br>Exposure time: 72 h<br>Test Type: static test<br>Method: OECD Test Guideline 201<br>GLP: yes   |



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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

##### **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



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#### 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.

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### 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)



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**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

**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 %



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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 %

The following Hazardous Substances are listed under the U.S. Clean Water 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. Clean Water Act, Section 311, Table 117.3:

1330-20-7	**Mixed Xylenes	5 %
91-20-3	**Naphthalene	5 %
108-88-3	**Toluene	1.1 %





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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	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	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

8052-41-3 / 64742-88-7 / 64742-48-9	Stoddard Solvent AND/OR Solvent Naphtha (Petroleum), Medium Aliph. AND/OR Hydrotreated Naphtha, Heavy	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 %



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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:

<b>United States TSCA Inventory</b>	:	y (positive listing) (On TSCA Inventory)
<b>Canadian Domestic Substances List (DSL)</b>	:	y (positive listing) (All components of this product are on the Canadian DSL.)
<b>Australia Inventory of Chemical Substances (AICS)</b>	:	y (positive listing) (On the inventory, or in compliance with the inventory)
<b>New Zealand. Inventory of Chemical Substances</b>	:	y (positive listing) (On the inventory, or in compliance with the inventory)
<b>Japan. ENCS - Existing and New Chemical Substances Inventory</b>	:	n (Negative listing) (Not in compliance with the inventory)
<b>Korea. Korean Existing Chemicals Inventory (KECI)</b>	:	y (positive listing) (On the inventory, or in compliance with the inventory)
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>	:	y (positive listing) (On the inventory, or in compliance with the inventory)



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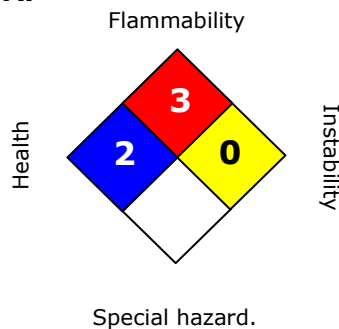
Revision Date: 04/16/2015

<b>China. Inventory of Existing Chemical Substances in China (IECSC)</b>	:	y (positive listing) (On the inventory, or in compliance with the inventory)
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### SECTION 16. OTHER INFORMATION

#### Further information

#### NFPA:



#### HMIS III:

<b>HEALTH</b>	<b>2*</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

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

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

#### Material number:

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

**Key or legend to abbreviations and acronyms used in the safety data sheet**



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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%