

Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : STARFIRE Mineral Spirits NE

Recommended use of the chemical and restrictions on use

Recommended use : Solvent.

Manufacturer or supplier's details

Company : Coolants Plus Inc.
2570 Van Hook Ave.
Hamilton OH, 45015

Emergency telephone number:

Transport North America: CHEMTREC (1-800-424-9300)

Additional Information:

: Responsible Party: Product Safety Group
SDS Requests: 1-888-258-8723

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 :



Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.
H315+H319 Causes skin and serious eye irritation
H340+H350 May cause genetic defects or 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/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
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.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical Name	Weight %
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
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
91-20-3	**Naphthalene	0.1 - 1

Any Concentration shown as a range is due to batch variation.

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 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

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 fire-fighting	: 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).

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 protection against fire and explosion : Do not spray on a naked flame or any incandescent material.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.
- 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 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 Hy- drotreated Naphtha, Heavy	TWA	100 ppm	ACGIH
		TWA	350 mg/m3	NIOSH REL
		C	1,800 mg/m3	NIOSH REL
		TWA	500 ppm 2,900 mg/m3	OSHA Z-1
		TWA	100 ppm 525 mg/m3	OSHA P0
25551-13-7	**Benzene, trimethyl-	TWA	25 ppm	ACGIH
		TWA	25 ppm 125 mg/m3	OSHA P0
95-63-6	**1,2,4-trimethylbenzene	TWA	25 ppm 125 mg/m3	NIOSH REL
		TWA	25 ppm	ACGIH
		TWA	25 ppm 125 mg/m3	OSHA P0
1330-20-7	**Mixed Xylenes	TWA	100 ppm 435 mg/m3	OSHA Z-1
		STEL	150 ppm 655 mg/m3	OSHA P0
		TWA	100 ppm 435 mg/m3	OSHA P0
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
111-84-2	**Nonane	TWA	200 ppm	ACGIH
		TWA	200 ppm 1,050 mg/m3	NIOSH REL
		TWA	200 ppm 1,050 mg/m3	OSHA P0
108-88-3	**Toluene	TWA	20 ppm	ACGIH
		TWA	100 ppm 375 mg/m3	NIOSH REL
		ST	150 ppm 560 mg/m3	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/m3	OSHA P0
		STEL	150 ppm 560 mg/m3	OSHA P0
98-82-8	**Cumene	TWA	50 ppm	ACGIH
		TWA	50 ppm 245 mg/m3	NIOSH REL
		TWA	50 ppm 245 mg/m3	OSHA Z-1
		TWA	50 ppm 245 mg/m3	OSHA P0
100-41-4	**Ethylbenzene	TWA	20 ppm	ACGIH
		TWA	100 ppm 435 mg/m3	NIOSH REL

		ST	125 ppm 545 mg/m3	NIOSH REL
		TWA	100 ppm 435 mg/m3	OSHA Z-1
		TWA	100 ppm 435 mg/m3	OSHA P0
		STEL	125 ppm 545 mg/m3	OSHA P0
110-54-3	**n-Hexane	TWA	50 ppm	ACGIH
		TWA	50 ppm 180 mg/m3	NIOSH REL
		TWA	500 ppm 1,800 mg/m3	OSHA Z-1
		TWA	50 ppm 180 mg/m3	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
91-20-3	**Naphthalene	TWA	10 ppm	ACGIH
		TWA	10 ppm 50 mg/m3	NIOSH REL
		ST	15 ppm 75 mg/m3	NIOSH REL
		TWA	10 ppm 50 mg/m3	OSHA Z-1
		TWA	10 ppm 50 mg/m3	OSHA P0
		STEL	15 ppm 75 mg/m3	OSHA P0

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	0.03 mg/l	ACGIH BEI

				soon as possible after exposure ceases)		
		p-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 (As soon as possible after exposure ceases)	0.15 g/g creatinine	ACGIH BEI
**n-Hexane	110-54-3	2,5-Hexanedione	Urine	End of shift at end of workweek	0.4 mg/l	ACGIH BEI
**Benzene	71-43-2	S-Phenylmercapturic acid	Urine	End of shift (As soon as possible after exposure ceases)	25 µg/g creatinine	ACGIH BEI
		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
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) Method: Tag closed cup
Evaporation rate	: 0.14 - 0.2 (Butyl Acetate = 1)
Flammability (solid, gas)	: 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
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 mm²/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

Information on likely routes of exposure

Inhalation
Skin contact
Eye Contact
Ingestion

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): mg/m³ >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

Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Product:

Components:

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

Species: Rabbit

Exposure time: 4 h

Result: Irritating to skin.

Serious eye damage/eye irritation

Product:

Components:

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

Species: Rabbit

Result: Irritating to eyes.

Respiratory or skin sensitisation

Components:

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

Test Type: Buehler Test

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Components:

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

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

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

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

IARC

Group 1: Carcinogenic to humans

71-43-2 **Benzene

Group 2B: Possibly carcinogenic to humans

98-82-8 **Cumene

100-41-4 **Ethylbenzene

91-20-3 **Naphthalene

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

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: >= 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: >= 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
Symptoms: Reduced body weight
Result: Developmental toxicity occurred at maternal toxicity dose levels, No teratogenic effects

Reproductive toxicity - Assessment

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

STOT - single exposure

Components:

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

Exposure routes: Inhalation

Target Organs: Central nervous system

Assessment: May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

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
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
- Toxicity to algae : EL50 (Pseudokirchneriella subcapitata (microalgae)): 1 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Remarks: Information given is based on data obtained from similar substances.
- Acute aquatic toxicity- Assessment : Toxic to aquatic life.
- Chronic aquatic toxicity- Assessment : Toxic to aquatic life with long lasting effects.

Persistence and degradability

Components:

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

- Biodegradability : aerobic
Biodegradation: 61 %
Testing period: 10 d
Exposure time: 28 d
Test substance: Solvent naphtha (petroleum), heavy aromatic

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
- 108-88-3:
Partition coefficient: n-octanol/water : log Pow: 2.73

octanol/water

98-82-8:
Partition coefficient: n-
octanol/water : log Pow: 3.55 (23 °C)

110-54-3:
Partition coefficient: n-
octanol/water : log Pow: 3.90 - 4.11

71-43-2:
Partition coefficient: n-
octanol/water : Pow: 2.13 (25 °C)
pH: 7

91-20-3:
Partition coefficient: n-
octanol/water : log Pow: 3.4 (25 °C)
pH: 7 - 7.5

Mobility in soil

Components:

8052-41-3 / 64742-88-7 / 64742-48-9:
Stability in soil : Remarks: Adsorbs on soil.

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION**DOT (Department of Transportation):**

UN1268, PETROLEUM DISTILLATES, N.O.S., CBL, III

IATA (International Air Transport Association):

UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

IMDG (International Maritime Dangerous Goods):

UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, Marine Pollutant (STODDARD SOLVENT, TRIMETHYLBENZENE) , Flash Point:37.78 - 44 °C(100.00 - 111 °F)

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

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
**Mixed Xylenes	1330-20-7	100	2000

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

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

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
1330-20-7	**Mixed Xylenes
108-88-3	**Toluene
98-82-8	**Cumene

100-41-4	**Ethylbenzene
110-54-3	**n-Hexane
71-43-2	**Benzene
91-20-3	**Naphthalene

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
108-88-3	**Toluene
98-82-8	**Cumene
100-41-4	**Ethylbenzene
110-54-3	**n-Hexane

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
108-88-3	**Toluene
98-82-8	**Cumene
100-41-4	**Ethylbenzene

Clean Water Act

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

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

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

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

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

108-88-3	**Toluene
100-41-4	**Ethylbenzene

US State Regulations

Massachusetts Right To Know

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

8052-41-3 / 64742-88-7 / 64742-48-9 25551-13-7 95-63-6 1330-20-7 111-84-2 108-88-3 98-82-8 100-41-4 110-54-3 71-43-2 91-20-3	Stoddard Solvent AND/OR Solvent Naphtha (Petroleum), Medium Aliph. AND/OR Hydrotreated Naphtha, Heavy **Benzene, trimethyl- **1,2,4-trimethylbenzene **Mixed Xylenes **Nonane **Toluene **Cumene **Ethylbenzene **n-Hexane **Benzene **Naphthalene	90 - 100 % 5 - 10 % 5 - 10 % 5 - 10 % 5 - 10 % 1 - 5 % 1 - 5 % 1 - 5 % 1 - 5 % 0.1 - 1 % 0.1 - 1 %
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California Prop 65

	WARNING! This product contains a chemical known to the State of California to cause cancer.
98-82-8	**Cumene
100-41-4	**Ethylbenzene
71-43-2	**Benzene
91-20-3	**Naphthalene
	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

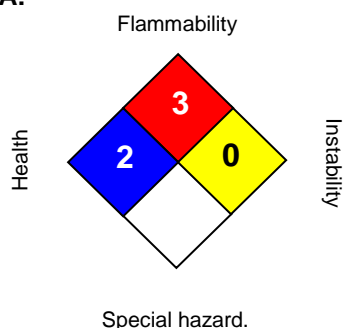
The components of this product are reported in the following inventories:

TSCA	: On TSCA Inventory
DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory

- ENCS : Not in compliance with the inventory
- KECI : On the inventory, or in compliance with the inventory
- PICCS : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	2*
FLAMMABILITY	3
PHYSICAL HAZARD	0

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

Revision Date: 03/17/2016

Legacy SDS: R0000589

Material number:

16103032, 16102300, 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			
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%