

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: : AG-SOLVENT-XXX

Product Name: AG Mineral Spirit

Recommended use of the chemical and restrictions on use

Recommended use : Solvent.

Manufacturer or supplier's details

SAPP BROS., INC.

9915 S. 148th Street

Omaha, Nebraska 68138 USA

Emergency Phone:	(800) 424-9300 (202) 483-7616 (CHEMTREC)
Poison Control Center:	(800) 222-1222
Information Phone:	(800) 233-4059 (402) 895-2202
MSDS Internet Address	http://www.sappbros.net

Emergency phone number: CHEMTREC 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 3

Skin irritation : Category 2

Eye irritation : Category 2A

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 vapor
H227 Combustible liquid.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces.
No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical and receiving 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.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately.

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.

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.

Consult a physician.

If inhaled : Consult a physician after significant exposure.

If unconscious place in recovery position and seek medical advice.

In case of skin contact : If skin irritation persists, call a physician.

If on skin, rinse well with water.
If on clothes, remove clothes.

Take off contaminated clothing and shoes immediately.
If on skin, rinse well with water.

If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses.
Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

Remove contact lenses.

Rinse immediately with plenty of water, also under the eyelids,
for at least 15 minutes.

If swallowed : Keep respiratory tract clear.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Most important symptoms	: Irritation
And effects, both acute and	Dermatitis
Delayed	Headache
	Dizziness
	Unconsciousness
	Aspiration may cause pulmonary edema 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 (CO₂)

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.

Do not use a solid water stream as it may scatter and spread fire.

Cool closed containers exposed to fire with water spray.

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.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters

: Wear self-contained breathing apparatus for firefighting if necessary.

In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Use personal protective equipment.

Ensure adequate ventilation.

: Use personal protective equipment.

Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Keep people away from and upwind of spill/leak. Material can create slippery conditions.

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.

Local authorities should be advised if significant spillages cannot be contained.

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).

Keep in suitable, closed containers for disposal.

Keep in suitable, closed containers for disposal.

Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion

: Do not spray on a naked flame or any incandescent material.

Keep away from open flames, hot surfaces and sources of ignition.

Keep away from heat and sources of ignition. Keep away from combustible material.

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.

Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.

Avoid contact with skin and eyes.

For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the application area.

Keep away from heat.

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 / 64742-48-9 / 64742-47-8	Stoddard Solvent AND/OR Solvent Naphtha (Petroleum), Medium Aliph AND/OR Hydrotreated Naphtha, Heavy	TWA	100 ppm	ACGIH
		TWA	350 mg/m ³	NIOSH REL
		C	1800 mg/m ³	NIOSH REL
		TWA	500 ppm 2,900 mg/m ³	OSHA Z-1
		TWA	100 ppm	OSHA P0
25551-13-7	** Benzene, trimethyl	TWA	25 ppm	ACGIH
		TWA	25 ppm 125 mg/3	OSHA-P0
95-63-6	**1,2,4 trimethylbenzene	TWA	25 ppm	NIOSH REL
		TWA	25 ppm	ACGIH
		TWA	25 ppm 125 mg/m ³	OSHA PO
		TWA	100 ppm 435 mg/3	OSHA Z-1
		STEL	150 ppm 655 mg/3	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	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	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

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

In the case of vapor formation use a respirator with an

a p p roved filter.

Hand protection

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

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing problems.

Safety goggles

Skin and body protection : Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures : Wear suitable protective equipment.

Avoid contact with skin.

When using do not eat, drink or smoke.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and immediately after handling the product.

Remove contaminated clothing and protective equipment before entering eating areas.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : clear, transparent

Odour : Petroleum distillates, solvent-like, Hydrocarbon-like

Odour Threshold : No data available

pH : No data available

Freezing Point (Melting point/range)

: -58 °C (-72 °F)

Boiling Point (Boiling point/boiling range)

: Expected 158 - 243.3 °C (316 - 469.9 °F)

Flash point : Expected 61 - 66 °C (142 - 151 °F)
Method: closed cup

Evaporation rate : < 1

(Butyl Acetate = 1)
Flammability (solid, gas) : No data available

Upper explosion limit : 5.5 - 6 %(V)

Lower explosion limit : 0.6 - 0.7 %(V)

Vapour pressure : Expected 0.225 - 0.6975 mmHg @ 0 - 25 °C (32 - 77 °F)

Relative vapour density : 4.5(Air = 1.0)

Relative density : 0.77 - 0.80

Density : Expected 0.78 - 0.805 g/cm³ @ 15 °C (59 °F)

Solubility(ies)

Water solubility : 1.5 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.

Extremes of temperature and direct sunlight.

Incompatible materials : Reducing agents
Strong oxidizing
Agents

Hazardous decomposition : Carbon monoxide

Products 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): mg/m³ > 5610

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

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:

Result: Irritating to skin.

Components:

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

Species: Rabbit

Exposure time: 24 h

Result: Irritating to skin.

Serious eye damage/eye irritation

Product:

Result: Irritating to eyes.

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

Exposure routes: Dermal

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 - Assessment

Carcinogenicity

Components:

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

Species: Rat

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

Reproductive toxicity

Reasonably anticipated to be a human carcinogen

91-20-3

** Naphthalene

ACGIH

Confirmed human carcinogen

71-43-2

** Benzene

Confirmed animal carcinogen with unknown relevance to humans

100-41-4

** Ethylbenzene

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, 300 mg/kd/d

General Toxicity – Parent: NOAEL: 1,500 mg/kg body weight

Fertility: NOAEL: <= 3,000 mg/kd 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/kd/d

General Toxicity – Parent: NOAEL: 1,500 mg/kg body weight

General Toxicity F1: NOAEL: 750 mg/kg body weight

Fertility: NOAEL: <= 1,500 mg/kd 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/kd

General Toxicity – Parent: NOAEL: >=494 mg/kg

Fertility: NOAEL: <= 1,500 mg/kd body weight

Early Embryonic development: NOAEL:>=494 mg/kg

Result: No reproductive effects

Remarks: Information given is based on data obtained from similar substances

Effects on fetal development

Species: Rat

Application Route: Oral

Dose: 0, 500, 1,000,-1, 500, 2000 milligram per kilogram

Duration of Single Treatment: 10 d

General Toxicity – Maternal: NOAEL: 500 mg/kg body weight
General Toxicity F1: NOAEL: 750 mg/kg body weight
Fertility: NOAEL: <= 1,500 mg/kd 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.

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.

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)): 10 mg/l
Exposure time: 96 h
Test Type: semi-static test

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* (green algae)): 1 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test

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 / 64742-887 / 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 noctanol/water: Remarks No Data available

1330-20-7:

Partition coefficient noctanol/water: log Pow: 2.77-3.15

108-88-3:

Partition coefficient noctanol/water: log Pow: 2.73

98-82-8:

Partition coefficient notanol/water: log Pow: 3.55 (23 °C)

110-54-3:

Partition coefficient notanol/water: log Pow: 3.90-4.11

71.43-2:

Partition coefficient notanol/water: Pow: 2.13 (25 °C)

91-20-3:

Partition coefficient notanol/water: log Pow: 3.44 (25 °C) pH: 7-7.5

Mobility in soil

Components:

8052-41.3/64742-88-7 / 64742-48-9:

Stability in soil : Remarks: absorbs 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 Poison Control

Dispose of wastes in an approved waste disposal facility.

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):

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (MIXTURE OF PETROLEUM DISTILLATES), 9, III

IMDG (International Maritime Dangerous Goods):

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (MIXTURE OF PETROLEUM DISTILLATES), 9, III, Marine Pollutant (MIXTURE OF PETROLEUM DISTILLATES), Flash Point:61 - 66 °C(142 - 151 °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 : B3: Combustible Liquid

D2B: Toxic Material Causing Other Toxic Effects
EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

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

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) 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
10330-20-7	** 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 111SOCMI 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 Air Act

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

10330-20-7	** Mixed Xylenes
108-88-3	**Toluene
100-41-4	** Ethylbenzene
71-43-2	**Benzene
91-20-3	** Naphthalene

Clean Water Act

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

108-88-3	**Toluene
71-43-2	**Benzene
100-41-4	**Ethylbenzene
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

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	: On the inventory, or 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

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

SECTION 16. OTHER INFORMATION

NFPA:

Flammability

HMIS III:

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, * = Chronic

Disclaimer: This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

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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%		