

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: Varsol Solvent
CAS number: 8052-41-3
Synonyms: Mineral Spirits, Stoddard Solvent, Solvent Naphtha

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses: Diluent in paints, coatings and waxes; dry cleaning agent; degreaser and cleaner.

1.3 Details of the supplier of the safety data sheet

Company : Lab Alley, LLC
22111 Highway 71 West, Suite 601
Spicewood, Texas 78669
U.S.A.

Telephone : 512-668-9918
Fax : 512-886-4008

1.4 Emergency telephone

Emergency Phone # : US & Canada: 1-800-535-5053 INFOTRAC
International 1-352-323-3500 INFOTRAC

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 2A)
Specific target organ toxicity (single exposure) (Category 3)
Specific target organ toxicity (repeated exposure) (Category 2)
Aspiration toxicity (Category 1)
Flammable liquids (Category 3)

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal Word:

Danger

Hazard statement(s):

Causes skin irritation. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Flammable liquid and vapor.

Precautionary statement(s):

Prevention - Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep cool. Wear protective gloves. Wear eye/face protection. **Response** - *Get medical advice/attention if you feel unwell.* In case of fire: Use CO₂, dry chemical, or foam to extinguish. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Hazards not otherwise classified

None.

SECTION 3: Composition/information on ingredients

3.1 Components

Components	CAS-No.	Weight %
Stoddard Solvent	8052-41-3	100

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice:

National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.

If inhaled:

Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

In case of skin contact:	Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Remove all contaminated clothes and shoes. Immediate medical attention is required. Call a physician immediately.
In case of eye contact:	Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.
In case of ingestion:	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

4.2 Most important symptoms and effects, both acute and delayed

Contact causes skin irritation. Causes serious eye irritation. Aspiration hazard if swallowed - can enter the lungs and cause damage. Aspiration into the lungs may cause chemical pneumonitis. Aspiration into the lungs may cause pulmonary edema. May affect behavior/central nervous system (tremor, convulsions). May cause central nervous system effects. May cause drowsiness or dizziness. May cause nausea, headache, vomiting, fatigue. Unconsciousness, fainting, somnolence, ataxia, lightheadedness. May affect the blood (normocytic anemia). It may affect the kidneys. It may affect the peripheral nervous system. Peripheral neuropathy. Repeated or prolonged exposure may cause dryness or cracking of the skin.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. First aiders: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable (and unsuitable) extinguishing media Carbon dioxide (CO₂). Dry chemical. Water spray mist or foam. Do not use a solid (straight) water stream as it may scatter and spread fire.

5.2 Specific hazards arising from the substance or mixture

Flammable. May be ignited by heat, sparks or flames. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Container explosion may occur under fire conditions or when heated. Fire may produce irritating, corrosive and/or toxic gases.

5.3 Special protective equipment and precautions for firefighters

Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out. As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH (approved or equivalent) and full protective gear.

5.4 Further information

None.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

6.3 Methods and materials for containment and cleaning up

Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal. Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use non-sparking tools to collect absorbed material. Clean contaminated surface thoroughly.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials. Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures

Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature in the original container. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

SECTION 8. Exposure controls/personal protection

8.1 Occupational exposure limits

Control parameters

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WHEEL
Stoddard Solvent	8052-41-3	500 ppm TWA 2900 mg/m ³ TWA	= 350 mg/m ³ TWA	= 100 ppm TWA	None

Canada

Components	CAS-No.	Alberta	British Columbia	Ontario	Quebec
Stoddard Solvent	8052-41-3	= 100 ppm TWA = 572 mg/m ³ TWA	= 290 mg/m ³ TWA	525 mg/m ³ TWA	100 ppm TWAEV 525 mg/m ³ TWAEV

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Stoddard Solvent	8052-41-3	790 mg/m ³ TWA	= 100 ppm TWA = 523 mg/m ³ TWA

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Personal protective equipment

Eye/face protection

Goggles.

Skin and body protection

Gloves. Long sleeved clothing. Chemical resistant apron.

Respiratory protection

Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid.
Appearance	Clear, Colorless.
Odor	Kerosene-like.
Odor Thresh	1-30 ppm
pH	No data available.
Melting Point/Range	Freezing point = -70 °C/-94 °F
Boiling Point/Range	149-208 °C/300.2-406.4 °F
Flash Point	38-60 °C/100.4-140 °F (Closed cup)
Evaporation Rate	No data available.
Flammability (solid, gas)	Flammable.
Flammability or explosive limit	
	Upper : 6%
	Lower : 0.8%
Vapor Pressure	0.4 @ 20 °C (kPa)
Vapor Density	4.8 - (Air = 1.0)
Density	No data available.
Solubility	Insoluble in water.

Partition coefficient; n-octanol/water	log Kow = 3.16-7.06
Autoignition Temp	230-316 °C/446-600 °F
Decomposition Temp	No data available.
Viscosity	No data available.
Molecular Formula	No data available.
Molecular Weight	No data available.
VOC Content(%)	No data available.
Oxidizing properties	None.

9.2 Other safety information

None.

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactive with oxidizing agents.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4 Conditions to avoid

Heat. Ignition sources. Incompatible materials.

10.5 Incompatible materials

Oxidizing agents. Acids.

10.6 Hazardous decomposition products

Carbon monoxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Stoddard Solvent

CAS-No. 8052-41-3

LD50/oral/rat = LD (Lethal Dose) = >5000 mg/kg

LD50/oral/mouse = No information available

LD50/dermal/rabbit = LD (Lethal Dose) = >3000 mg/kg

LD50/dermal/rat = No information available

LC50/inhalation/rat = LC (Lethal Concentration) = >5500 mg/m³ 4hr.

LC50/inhalation/mouse = No information available

Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = No information available

LD50/oral/mouse =

Value - Acute Tox Oral = No information available

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Skin corrosion/irritation

Contact causes skin irritation. Moderate skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation. Moderately irritating to the eyes.

Respiratory or skin sensitization

May cause irritation of respiratory tract. May affect behavior/central nervous system (somnolence, CNS depression, fatigue, irritability, memory loss, convulsions/seizures, tremor, incoordination, headache, dizziness, lightheadness, fainting, unconsciousness, coma). May cause nausea, vomiting. Can cause lung irritation and coughing.

Germ cell mutagenicity

No information available.

Carcinogenicity Not considered carcinogenic. Not classified as to its carcinogenicity to humans.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Stoddard Solvent	8052-41-3	Group 3 - not classifiable (listed under petroleum solvents)	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

Group 3 - Not classifiable as to its carcinogenicity to humans

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity

No data available.

Specific target organ toxicity - single exposure

Central nervous system.

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure. Central nervous system. Peripheral nervous system (PNS)

Aspiration hazard

Aspiration hazard if swallowed. Aspiration into the lungs can cause chemical pneumonitis. Aspiration may lead to pulmonary edema. May affect behavior/central nervous system (somnolence).

Chronic effects

Skin: Prolonged or repeated contact may cause defatting of skin with irritation, dryness, and cracking. Prolonged or repeated inhalation may affect the blood (normocytic anemia). Prolonged or repeated inhalation may affect the kidneys. Prolonged or repeated inhalation may affect the peripheral nervous system (weakness, peripheral neuropathy with paresthesia - a tingling, pricking, or numbness of the skin (known as the feeling of "pins and needles") generally of the hands and feet (extremities)).

11.2 Additional information

None.

SECTION 12. Ecological information

12.1 Toxicity

Ecotoxicity: No data available.

12.2 Persistence and degradability

No data is available on the degradability of this product.

12.3 Bio accumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vBvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

SECTION 13. Disposal considerations

13.1 Waste Disposal Methods

Waste must be disposed of in accordance with Federal, State and Local regulation. Empty containers should be taken for local recycling, recovery or waste disposal.

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Stoddard Solvent	8052-41-3	None	None	None	None

SECTION 14: Transport information

DOT

UN-No	UN1268
Proper Shipping Name	Petroleum distillate, n.o.s. (Stoddard Solvent)
Hazard Class	3
Packing Group	III

IMDG/IMO

UN-No	UN1268
Proper Shipping Name	Petroleum distillate, n.o.s. (Stoddard Solvent)
Hazard Class	3
Packing Group	III

IATA

UN-No	UN1268
Proper Shipping Name	Petroleum distillate, n.o.s. (Stoddard Solvent)
Hazard Class	3
Packing Group	III

TDG (Canada)

UN-No	UN1268
Proper Shipping Name	Petroleum distillate, n.o.s. (Stoddard Solvent)
Hazard Class	3
Packing Group	III

ADR

UN-No	UN1268
Proper Shipping Name	Petroleum distillate, n.o.s. (Stoddard Solvent)
Hazard Class	3
Packing Group	III

RID

UN-No	UN1268
Proper Shipping Name	Petroleum distillate, n.o.s. (Stoddard Solvent)
Hazard Class	3
Packing Group	III

ICAO

UN-No	UN1268
Proper Shipping Name	Petroleum distillate, n.o.s. (Stoddard Solvent)
Hazard Class	3
Packing Group	III

SECTION 15: Regulatory information

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Stoddard Solvent	8052-41-3	Present	Present KE-32199	Present	Present (9)-1702	Present	Present	Present 232-489-3

U.S. Regulations

Stoddard Solvent

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 1736

Pennsylvania RTK: Present

Minnesota - Hazardous Substance List: Present

California Directors List of Hazardous Substances: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Stoddard Solvent	8052-41-3	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Stoddard Solvent	8052-41-3	None	None	None	None	None

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Stoddard Solvent	8052-41-3	Not Applicable	Not Applicable

Canada

WHMIS hazard class:

B3 Combustible liquid

D2B Toxic materials

Components

Stoddard Solvent

WHIMHAZ

B3 D2B

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Stoddard Solvent	1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Stoddard Solvent	8052-41-3	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Stoddard Solvent	8052-41-3	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Stoddard Solvent	8052-41-3	Not listed

EU Classification**R-phrases(s)**

R45 - May cause cancer.

R46 - May cause heritable genetic damage.

R65 - Harmful: may cause lung damage if swallowed.

S -phrase(s)

S53 - Avoid exposure - obtain special instructions before use.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Stoddard Solvent	8052-41-3	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65	10%≤C: T; R45-65 0.1%≤C<10%: T; R45	S53 S45

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xn - Harmful.

Xn

**SECTION 16: Other information**

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Disclaimer:

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.