

SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

CAS Number: 8052-41-3
Product Name: Mineral Spirits 3139
Revision Date: May 24, 2019 **Date Printed:** May 24, 2019
Version: 2.0 **Supersedes Date:** Apr 19, 2018
Manufacturer's Name: Thames River Chemical Corp.
Address: 5230 Harvester Road Burlington, ON, CA, L7L 4X4
Emergency Phone: CHEMTREC (800) 424-9300
Information Phone Number: 905-681-5353
Fax: 905-681-5377
Product/Recommended Uses: For laboratory or industrial use only.

SECTION 2) HAZARDS IDENTIFICATION

Classification

Aspiration Hazard - Category 1
Eye Irritation - Category 2B
Flammable Liquids - Category 3
Skin Irritation - Category 2
Specific Target Organ Toxicity - Repeated Exposure - Category 1
Specific Target Organ Toxicity - Single Exposure (Narcotic Effects) - Category 3

Pictograms



Signal Word

Danger

Hazard Statements - Health

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

Hazard Statements - Physical

Flammable liquid and vapor

Precautionary Statements - General

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.

Read label before use.

Precautionary Statements - Prevention

- Wash/Wash hands thoroughly after handling.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 action to prevent static discharges.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Do not breathe dust/fume/gas/mist/vapors/spray.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.

Precautionary Statements - Response

- IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- Do NOT induce vomiting.
- 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 ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- In case of fire: Use carbon dioxide, alcohol foam, water spray or dry chemical to extinguish.
- IF ON SKIN: Wash with plenty of water and soap.
- Specific treatment (see first-aid on the SDS).
- If skin irritation occurs: Get medical advice/attention.
- Take off contaminated clothing. And wash it before reuse.
- Get Medical advice/attention if you feel unwell.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- Call a POISON CENTER or doctor, if you feel unwell.

Precautionary Statements - Storage

- Store locked up.
- Store in a well-ventilated place. Keep cool.
- Store in a well-ventilated place. Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/national/international regulation. Waste management should be in full compliance with national, regional and local laws.

Physical Hazards Not Otherwise Classified

No data available.

Health Hazards Not Otherwise Classified

No data available.

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

| CAS | Chemical Name | % By Weight |
|--------------|---|-------------|
| 0008052-41-3 | STODDARD SOLVENT | 100% |
| | Hazardous constituents contained in Complex substances: | |
| 0025551-13-7 | TRIMETHYLBENZENE | 0.5% - 4% |
| 0000111-84-2 | NONANE | 1% - 7% |

SECTION 4) FIRST-AID MEASURES

Inhalation

Get medical advice/attention if you feel unwell or are concerned. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. Remove source of exposure or move person to fresh air and keep comfortable for breathing. Eliminate all ignition sources if safe to do so. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

Eye Contact

Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact

Take off immediately all contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Store contaminated clothing under water and wash before re-use or discard. Rinse skin with water/shower and mild soap for 15 minutes or until product is removed.

Ingestion

Rinse mouth. Get medical advice/attention.

Most Important Symptoms and Effects, Both Acute and Delayed

No data available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

No data available.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use dry chemical, CO₂, water spray (FOG) or foam

Unsuitable Extinguishing Media

Do not use straight stream of water.

Specific Hazards in Case of Fire

Elevated temperatures can lead to the formation of irritating vapors. Decomposing products may include the following materials: Carbon dioxide and Carbon monoxide. This product is a static accumulating liquid. Static accumulating liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor may cause flash fire. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Restrict flow velocity to avoid build-up of static charge.

Fire-fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Move undamaged containers from immediate hazard area if it can be done safely. Stop spill/release if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product has a low flashpoint: Use of water spray when fighting fire may be inefficient. Large Fire: Dike fire-control water for later disposal; do not scatter the material

Special Protective Actions

Wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Isolate hazard area and keep unauthorized personnel away. Stay uphill and/or upstream. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Ventilate closed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Evacuate and isolate hazard area and keep unauthorized personnel away. A vapor-suppressing foam may be used to reduce vapors.

Recommended Equipment

Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA).

Personal Precautions

Avoid breathing vapor or mist. Avoid contact with skin, eye or clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. Dike far ahead of liquid spill for later disposal.

Methods and Materials for Containment and Cleaning up

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean, non-sparking tools to collect absorbed material. Ventilate area after clean-up is complete.

SECTION 7) HANDLING AND STORAGE

General

Use non-sparking tools.

Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. This product is not intended for human or animal consumption.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. Report ventilation failures immediately. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements

Cabinets must be labelled; FLAMMABLE

Do not store large quantities of flammable liquids in the same storage cabinet. Store in dry, cool areas, out of direct sunlight and away from other sources of heat. Empty container retain residue and may be dangerous. Keep away from incompatible materials (e.g. oxidizers). Store flammable and combustible liquids in areas that are cool, dry and well ventilated to reduce vapour concentrations. Keep containers securely sealed when not in use. Bond and ground metal containers/cylinders when transferring. Avoid storing in direct sunlight or near other heat sources; eliminate all sources of ignition. Protect containers against banging or other physical damage when storing, transferring, or using them.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Wear indirect-vent, impact and splash resistant goggles when working with liquids

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed. Check with respiratory protective equipment suppliers.

Appropriate Engineering Controls

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

| Chemical Name | CANsmg | CANsppm | CANtmg | CANtppm | OSHA STEL (mg/m3) | OSHA STEL (ppm) | OSHA TWA (mg/m3) | OSHA TWA (ppm) |
|------------------|--------|---------|--------|---------|-------------------|-----------------|------------------|----------------|
| NONANE | 1311 | 250 | 1049 | 200 | | | | |
| STODDARD SOLVENT | 1050 | 200 | 525 | 100 | | | 2900 | 500 |

| | | | | | | | | |
|------------------|-----|----|-----|----|--|--|--|--|
| TRIMETHYLBENZENE | 172 | 35 | 123 | 25 | | | | |
|------------------|-----|----|-----|----|--|--|--|--|

| Chemical Name | OSHA Carcinogen | OSHA Tables (Z1, Z2, Z3) | OSHA Skin designation | ACGIH STEL (mg/m3) | ACGIH STEL (ppm) | ACGIH TWA (mg/m3) | ACGIH TWA (ppm) | ACGIH TLV Basis |
|------------------|-----------------|--------------------------|-----------------------|--------------------|------------------|-------------------|-----------------|---|
| NONANE | | | | | | 1050 | 200 | CNS impair |
| STODDARD SOLVENT | | 1 | | | | [(L)]; [5 (I)]; | 100 | Eye, skin, & kidney dam; nausea; CNS impair |
| TRIMETHYLBENZENE | | | | | | | 25 | CNS impair; asthma hematologic eff |

| Chemical Name | ACGIH Carcinogen | ACGIH Notations |
|------------------|------------------|-----------------|
| NONANE | | |
| STODDARD SOLVENT | [A2]; [A4]; | [A2]; [A4]; |
| TRIMETHYLBENZENE | | |

(C) - Ceiling limit, CNS - Central nervous system, dam - Damage, eff - Effects, impair - Impairment

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| | |
|------------------------|-------------------|
| Density | 6.43 lb/gal |
| Specific Gravity | 0.77 |
| <hr/> | |
| Appearance | colourless liquid |
| Odor Description | petroleum solvent |
| Odor Threshold | N/A |
| pH | No Data Available |
| Melting/Freezing Point | -60 °C |
| Low Boiling Point | 310 °C |
| High Boiling Point | N/A |
| Flash Point | 105°F (40°C) |
| Vapor Pressure | 0.62 |
| Vapor Density | No Data Available |
| Evaporation Rate | No Data Available |
| Upper Explosion Level | N/A |
| Lower Explosion Level | N/A |
| Water Solubility | not soluble |
| Coefficient Water/Oil | No Data Available |
| Viscosity | 1.8 |

SECTION 10) STABILITY AND REACTIVITY

Reactivity

No data available.

Stability

Stable under normal storage and handling conditions.

Conditions to Avoid

High temperatures, flames, sparks

Hazardous Reactions/Polymerization

Hazardous polymerization will not occur.

Incompatible Materials

Strong bases, acids, oxidizing and reducing agents.

Hazardous Decomposition Products

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely Route of Exposure

Inhalation, ingestion, skin absorption

Acute Toxicity

Inhalation LCS0 Rat: > 5 mg/L (4Hr mist)

Oral LDS0 Rat: > 5000 mg/kg

Dermal LDS0 Rabbit: > 2000 mg/kg

Aspiration Hazard

May be fatal if swallowed and enters airways

Carcinogenicity

No data available.

Germ Cell Mutagenicity

No data available.

Reproductive Toxicity

No data available.

Respiratory/Skin Sensitization

No data available.

Serious Eye Damage/Irritation

Causes eye irritation

Skin Corrosion/Irritation

Causes skin irritation

Specific Target Organ Toxicity - Repeated Exposure

Causes damage to organs through prolonged or repeated exposure.

Specific Target Organ Toxicity - Single Exposure

May cause drowsiness or dizziness

0008052-41-3 STODDARD SOLVENT

LC50 (rat): greater than 5500 mg/m3 (880 ppm) (whole body exposure for 4 hours) (1)

LC50 (rat): greater than 8200 mg/m3 (1300 ppm) (2)

LD50 (oral, rat): greater than 5 g/kg (1)

LD50 (dermal, rabbit): greater than 3 g/kg (1)

0025551-13-7 TRIMETHYLBENZENE

LD50(oral,rat): 8970 mg/kg

0000111-84-2 NONANE

LC50 (inhalation, rat): 3200 ppm (4-hr exposure) (1,9)

LD50 (oral, rat): Greater than 15 g/kg (4)

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

Duration / Test / Species

96 hr LL50: 8.2 mg/L Oncorhynchus mykiss

48 hrEL50: 32 mg/L Oncorhynchus mykiss

96hrEL50: 45 mg/L Scenedesmus subspicatus

Chronic Survival NOELR: 2.6 mg/L Aquatic Vertebrates

Chronic Growth NOELR: 2.6 mg/L Aquatic Vertebrates

Chronic Survival NOELR: 16 mg/L Daphnia magna

Chronic Reproduction EL 50: 10 mg/L Daphnia magna

Chronic reproduction NOELR: 2.6 mg/L Daphnia magna

No data available.

Mobility in Soil

No data available.

Bio-accumulative Potential

No data available.

Persistence and Degradability

Inherently biodegradable

Other Adverse Effects

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, provincial and local laws.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information

UN number: UN1268

Proper shipping name: Petroleum distillates, n.o.s. (Naphtha Solvent)

Hazard class: 3
Packaging group: III
Hazardous substance (RQ): No Data Available
Toxic-Inhalation Hazard: No Data Available
Marine Pollutant: No Data Available
Note / Special Provision: No Data Available

Transport Canada Information

UN number: UN1268
Proper shipping name: Petroleum distillates, n.o.s. (Naphtha Solvent)
Hazard class: 3
Packaging group: III
Marine Pollutant: No Data Available
Transport in bulk (according to Annex II of MARPOL 73/78): No Data Available
Note / Special Provision: Note / Special Provision

SECTION 15) REGULATORY INFORMATION

| CAS | Chemical Name | % By Weight | Regulation List |
|--------------|------------------|-------------|--------------------------|
| 0008052-41-3 | STODDARD SOLVENT | 100% - 100% | DSL,TSCA,EU_EC_Inventory |
| 0025551-13-7 | TRIMETHYLBENZENE | 0% - 4% | DSL,TSCA,EU_EC_Inventory |
| 0000111-84-2 | NONANE | 1% - 7% | DSL,TSCA,EU_EC_Inventory |

SECTION 16) OTHER INFORMATION

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CANsmg or CANspmm - Canadian Short Term Exposure Level in mg/L or in ppm; CANtmg or CANtppm - Canadian Time Weighted Average in mg/L or in ppm; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center(US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

Version 2.0:

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