



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name SOLVENT
Revision date 09-16-2011
Version # 01
CAS # 8052-41-3
Product code 2183
Product use Solvent. Fuel. Diluter Feedstock.
Synonym(s) VARSOL 3139 SOLVENT
Manufacturer Univar Canada Ltd.
Address 9800 Van Home Way
Richmond, BC V6X 1W5 Canada
Telephone -
Supplier Federated Co-operative Limited
Address P.O. Box 1050, 401 - 22nd Street
East Saskatoon SK S7K 3M9 Canada
Telephone (306) 244-3447
24 Hour Emergency Telephone (613) 996-6666 - Canutec

2. Hazards Identification

Physical state Liquid.
Appearance Clear liquid.
Emergency overview WARNING! Combustible liquid and vapor. Harmful if swallowed - may enter lungs if swallowed or vomited. May cause skin irritation. May cause central nervous system effects. May cause damage to the kidneys.
OSHA regulatory status This product is hazardous according to OSHA 29 CFR 1910.1200.
Potential health effects
Routes of exposure Inhalation. Skin contact. Ingestion.
Eyes Direct contact with eyes may cause temporary irritation.
Skin Prolonged or repeated contact may dry skin and cause irritation.
Inhalation Overexposure to mists/vapours of this product may cause headache, dizziness, nausea, and respiratory tract irritation.
Ingestion Swallowing or vomiting of the liquid may result in aspiration into the lungs.
Chronic effects Exposure over a long period of time may cause central nervous system effects. Symptoms may be delayed.
Signs and symptoms Overexposure to mists/vapours of this product may cause headache, dizziness, nausea, and respiratory tract irritation. Prolonged or repeated contact may dry skin and cause irritation. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Potential environmental effects Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Stoddart solvent	8052-41-3	60-100

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures
Eye contact Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact Wash area with soap and water. Get medical attention if irritation develops or persists.

Inhalation If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Ingestion Call a physician or poison control center immediately. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration. Never give anything by mouth to an unconscious person.

Notes to physician Treat symptomatically.

5. Fire Fighting Measures

Flammable properties Combustible liquid and vapor. Material will float and may ignite on surface of water. Containers may explode when heated.

Extinguishing media

Suitable extinguishing media Carbon dioxide (CO2). Foam. Dry chemical. Water fog.

Unsuitable extinguishing media None known.

Fire fighting equipment/instructions Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Specific methods Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Hazardous combustion products Carbon oxides.

6. Accidental Release Measures

Personal precautions Ensure adequate ventilation. Wear suitable protective clothing. See Section 8 of the MSDS for Personal Protective Equipment.

Environmental precautions Collect and dispose of spillage as indicated in Section 13 of the MSDS.

Methods for containment Eliminate all ignition sources. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up

Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece).

Never return spills to original containers for re-use. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination.

Other information Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

7. Handling and Storage

Handling Use only with adequate ventilation. Wash thoroughly after handling. Observe good industrial hygiene practices.

Storage Keep container tightly closed and in a well-ventilated place. Store in closed original container at room temperature. Store away from incompatible materials.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Material	Type	Value
Stoddart solvent (8052-41-3)	TWA	100 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Material	Type	Value
Stoddart solvent (8052-41-3)	PEL	2900 mg/m3
		500 ppm

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Material	Type	Value
Stoddart solvent (8052-41-3)	TWA	100 ppm

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Material	Type	Value
		572 mg/m3

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Material	Type	Value
Stoddart solvent (8052-41-3)	TWA	290 mg/m3
	STEL	580 mg/m3

Canada. Ontario OELs. (Ministry of Labor - Control of Exposure to Biological or Chemical Agents)

Material	Type	Value
Stoddart solvent (8052-41-3)	TWA	525 mg/m3

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Material	Type	Value
Stoddart solvent (8052-41-3)	TWA	100 ppm
		525 mg/m3

Mexico. Occupational Exposure Limit Values

Material	Type	Value
Stoddart solvent (8052-41-3)	TWA	100 ppm
	STEL	1050 mg/m3
		200 ppm
	TWA	523 mg/m3

Engineering controls Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

Personal protective equipment

Eye / face protection Use approved safety goggles or face shield.

Skin protection Wear appropriate chemical resistant clothing to prevent any possibility of skin contact.

Respiratory protection In case of inadequate ventilation, use respiratory protection.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance Clear liquid.

Color Clear, colorless.

Odor Mild. Petroleum.

Odor threshold Not available.

Physical state Liquid.

Form Liquid.

pH Not applicable.

Melting point -72.4 °F (-58 °C)

Freezing point Not available.

Boiling point 316.4 - 383 °F (158 - 195 °C)

Flash point 109.4 °F (43 °C) Closed Cup

Evaporation rate 0.1 (Butyl acetate = 1)

Flammability limits in air, upper, % by volume 13.3 %

Flammability limits in air, lower, % by volume 1 %

Vapor pressure 0.04 kPa

Vapor density 5

Specific gravity 0.79 (15.5°C)

Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	444.2 °F (229 °C)
Decomposition temperature	Not available.
VOC	100 %

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Heat, sparks, flames. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Acute effects	Harmful if swallowed - may enter lungs if swallowed or vomited. Prolonged or repeated contact may dry skin and cause irritation. Overexposure to mists/vapours of this product may cause headache, dizziness, nausea, and respiratory tract irritation.
Sensitization	None known.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Stoddart solvent (CAS 8052-41-3)

3 Not classifiable as to carcinogenicity to humans.

12. Ecological Information

Ecotoxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Persistence and degradability	No data available.
Bioaccumulation / Accumulation	No data available.
Partition coefficient (n-octanol/water)	Not available.
Mobility in environmental media	No data available.

13. Disposal Considerations

Waste codes	D001: Waste Flammable material with a flash point <140 °F
Disposal instructions	Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. When this product as supplied is to be discarded as waste, it may meet the definition of a RCRA waste under 40 CFR 261.
Waste from residues / unused products	Dispose of waste and residues in accordance with local authority requirements.
Contaminated packaging	Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

Product Specific Note:	This product meets the limited quantities exception as follows: IMDG: Limited quantities up to 5 liters. Otherwise, the above descriptions apply.
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DOT

Basic shipping requirements:

UN number	UN1268
Proper shipping name	Petroleum distillates, n.o.s. or Petroleum products, n.o.s. (Solvent Stoddard)
Hazard class	3
Packing group	III

Labels required	3
Additional information:	
Special provisions	144, B1, IB3, T4, TP1, TP29
Packaging exceptions	150
Packaging non bulk	203
Packaging bulk	242
ERG number	128

IATA

Basic shipping requirements:

UN number	UN1268
Proper shipping name	Petroleum distillates, n.o.s. or Petroleum products, n.o.s. (Solvent Stoddard)
Hazard class	3
Packing group	III
Labels required	3
Additional information:	
Packaging exceptions	150
Packaging non bulk	203
Packaging bulk	242

IMDG

Basic shipping requirements:

UN number	1268
Proper shipping name	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (Solvent Stoddard)
Hazard class	3
Packing group	III
EmS No.	F-E, S-E

TDG

Basic shipping requirements:

Proper shipping name	Petroleum distillates, n.o.s. or Petroleum products, n.o.s. (Solvent Stoddard)
Hazard class	3
UN number	UN1268
Packing group	III
Additional information:	
Special provisions	144, B1, IB3, T4, TP1, TP29
Basic shipping requirements:	
Labels required	3
Additional information:	
Packaging exceptions	150
Packaging non bulk	203
Packaging bulk	242

15. Regulatory Information

US federal regulations This product is hazardous according to OSHA 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)

Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance (40 No

CRF 355, Appendix A)

Section 311/312 (40 CFR 370) No

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)

Not controlled

Canadian regulations

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status

Controlled

WHMIS classification

B3 - Flammable/Combustible
D2B - Other Toxic Effects-TOXIC

WHMIS labeling



Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - California Hazardous Substances (Director's): Listed substance

Stoddart solvent (CAS 8052-41-3) Listed.

US - Massachusetts RTK - Substance: Listed substance

Stoddart solvent (CAS 8052-41-3) Listed.

US - New Jersey RTK - Substances: Listed substance

Stoddart solvent (CAS 8052-41-3) Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Stoddart solvent (CAS 8052-41-3) Listed.

16. Other Information

HMIS® ratings

Health: 2
Flammability: 2
Physical hazard: 0

NFPA ratings

Health: 1
Flammability: 2
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

Issue date

09-16-2011