

SAFETY DATA SHEET

M-Line Rosin Solvent




ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

Date of issue: 24/02/2023
Date of First Issue: 24/02/2023
Version: 1.0

SECTION 1: IDENTIFICATION

- 1.1 GHS Product identifier**
Product name M-Line Rosin Solvent
CAS No. Not applicable - Mixture
- 1.2 Recommended use of the chemical and restrictions on use**
Identified Use(s) Welding and soldering products (with flux coatings or flux cores), flux products
Uses advised against Anything other than the above.
- 1.3 Details of the supplier**
Company Identification VISHAY MEASUREMENTS GROUP, INC.
Post Office Box 27777
Raleigh, NC 27611
USA
Telephone +1 919-365-3800
E-mail (competent person) mm.us@vpgsensors.com
Importer/Distributor name, address and telephone number
Name
Company Address
Telephone
- 1.4 Emergency Phone No.**
Emergency Phone No. 1-800-424-9300 (24 hours)
61-290372994 (for spills and releases) CHEMTREC (24 hours)
Languages spoken English

SECTION 2: HAZARD IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 In accordance with the Safe Work Australia model Work Health and Safety Regulations (2020) & GHS 7**
Flammable liquid - Category 2; H225
Aspiration Toxicity - Category 1; H304
Skin corrosion/irritation - Category 2; H315
Serious eye damage/ Eye Irritation - Category 2A; H319
Specific target organ toxicity - Single exposure - Category 3; H336
Reproductive toxicity - Category 1A ; H360
Specific target organ toxicity - Repeated exposure - Category 2; H373
Hazardous to the aquatic environment, Chronic - Category 3; H412
- 2.2 GHS label elements, including precautionary statements**
Product name M-Line Rosin Solvent
Hazard Pictogram(s)
  
Flame Health hazard Exclamation mark
Signal Word(s) DANGER
Hazard Statement(s)
H225: Highly flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.

SAFETY DATA SHEET

M-Line Rosin Solvent

www.vpgsensors.com

ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

Date of issue: 24/02/2023
Date of First Issue: 24/02/2023
Version: 1.0

H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H360: May damage fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P235: Keep cool.
P370+P378: In case of fire: Use dry powder to extinguish.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331: Do NOT induce vomiting.

2.3 Other hazards which do not result in classification Vapours can form explosive mixtures with air.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances - Not applicable.

3.2 Mixtures

GHS Classification

Chemical identity of the substance	Common name(s), synonym(s) of the substance	%W/W	CAS No.	EC No.	Hazard classification
Toluene	-	45 - 55	108-88-3	203-625-9	Flammable Liquid - Category 2; H225 Skin corrosion/irritation - Category 2; H315 Aspiration Toxicity - Category 1; H304 Specific target organ toxicity — single exposure - Category 3; H336 Reproductive toxicity - Category 1A ; H360 Specific target organ toxicity - Repeated exposure - Category 2; H373 Hazardous to the aquatic environment, Chronic - Category 3; H412
Propan-2-ol	Isopropyl alcohol; Isopropanol	45 - 55	67-63-0	200-661-7	Flammable Liquid - Category 2; H225 Eye Damage/Irritation - Category 2A; H319 Specific target organ toxicity — single exposure - Category 3; H336

For full text of H phrases see section 16.

M-Line Rosin Solvent

ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

Date of issue: 24/02/2023
Date of First Issue: 24/02/2023
Version: 1.0

SECTION 4: FIRST AID MEASURES



4.1 Description of necessary first-aid measures

Self-protection of the first aider

Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Avoid all contact. Avoid breathing vapours. Ensure adequate ventilation. Wear suitable respiratory protective equipment if exposure to high levels of material are likely. Do not use mouth-to-mouth resuscitation. Contaminated clothing should be laundered before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. IF exposed or concerned: Get medical advice/attention.

Skin contact

IF ON SKIN: Remove contaminated clothing and wash all affected areas with plenty of water. Contaminated clothing should be thoroughly cleaned. If skin irritation occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation develops or persists.

Ingestion

IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Immediately call a POISON CENTER/doctor. Rinse mouth. Drink two glasses of water. Do not give milk or alcoholic beverages. Do not give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure: Central nervous system.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to a physician:

Treat symptomatically

IF SWALLOWED: Do NOT induce vomiting, if vomiting does occur, have victim lean forward to reduce risk of aspiration. Latency of several hours is possible. Give a slurry of activated charcoal in water to drink. (240mL Water / 30 g Activated charcoal).

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

As appropriate for surrounding fire. Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable extinguishing media

Do not use water jet. Direct water jet may spread the fire.

5.2 Specific hazards arising from the chemical

Highly flammable liquid and vapour. May decompose in a fire giving off toxic fumes. Carbon dioxide and Carbon monoxide. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. Sealed containers may rupture explosively if hot.

5.3 Special protective actions for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

5.4 Hazchem code

●3YE(3)

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Caution - spillages may be slippery. Ensure adequate ventilation. Stop leak if safe to do so. Eliminate all ignition sources if safe to do so. Do not breathe vapour. Avoid contact with skin, eyes or clothing. Use personal protective equipment as

SAFETY DATA SHEET

M-Line Rosin Solvent

ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

Date of issue: 24/02/2023

Date of First Issue: 24/02/2023

Version: 1.0

6.2	Environmental precautions	required. See Section: 8. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. In confined spaces, sewers, etc., the vapours may collect to form explosive mixtures with air. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.
6.3	Methods and material for containment and cleaning up	Ensure suitable personal protection (including respiratory protection) during removal of spillages. Contain spillages. Use non-sparking equipment when picking up flammable spill. Use waterspray to 'knock down' vapour. Adsorb spillages onto sand, earth or any suitable adsorbent material. Do NOT absorb in saw-dust or other combustible absorbents. Transfer to a container for disposal. Ventilate the area and wash spill site after material pick-up is complete. Dispose of this material and its container as hazardous waste.
6.4	Reference to other sections	See Section: 8,13

SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Do not breathe vapour. Use personal protective equipment as required. See Section: 8. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.
7.2	Conditions for safe storage, including any incompatibilities	Ground/bond container and receiving equipment. Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from direct sunlight.
	Storage temperature	Ambient. Keep at temperature not exceeding (°C): 25
	Storage measures	Stable under normal conditions
	Incompatible materials	Strong oxidising agents, Acids (Nitric acid and Sulphuric acid), Halogens and halogenated compounds.
7.3	Specific end use(s)	See Section: 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits

Chemical name	Synonym(s)	CAS No.	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Advisory carcinogen category	Other advisory information	Notes
Toluene	-	108-88-3	50	191	150	574	-	-	Sk.
Isopropyl alcohol	2-propanol; Propan-2-ol Isopropanol	67-63-0	400	983	500	1230	-	-	-

Source: Safe Work Australia Workplace Exposure Standards for Airborne Contaminants (2019)

Sk - Can be absorbed through skin.

8.1.2 Biological limit value

SUBSTANCE	CAS No.	Determinant	Biological Exposure Indices	Sampling Time	Note
Toluene	108-88-3	Toluene in blood	0.02 mg/L	Prior to last shift of workweek	-
		Toluene in urine	0.03 mg/L	End of shift	-
		o-Cresol in urine	0.3 mg/g creatinine	End of shift	B

Source: 2021 ACGIH Biological Exposure Indices (BEIs)

B – Background The determinant may be present in biological specimens collected from subjects who have not been occupationally exposed, at a concentration that could affect interpretation of the result

SAFETY DATA SHEET

M-Line Rosin Solvent

ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

Date of issue: 24/02/2023
Date of First Issue: 24/02/2023
Version: 1.0

- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Ensure adequate ventilation Or Use appropriate containment. Atmospheric levels should be controlled in compliance with the occupational exposure limit.
- 8.2.2 Individual protection measures, such as personal protective equipment** General hygiene measures for the handling of chemicals are applicable. Keep good industrial hygiene. Avoid all contact. Avoid breathing vapours. Wash hands before breaks and after work. Keep work clothes separately. Do not eat, drink or smoke at the work place. IF exposed: Flush with fresh water if contact with skin or eyes.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye/ face protection



Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).

Hand protection:

Wear impervious gloves (EN374). At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374) Gloves should be changed regularly to avoid permeation problems. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Recommended: Nitrile rubber (Minimum thickness 0.38mm, breakthrough time >240 min), PVC (Minimum thickness 1.3mm, breakthrough time >60 min)

Body protection:

Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

In case of inadequate ventilation wear respiratory protection. Open system(s): Wear suitable respiratory protective equipment. A suitable mask with filter type A (EN141 or EN405) may be appropriate.

Skin protection



Respiratory protection



Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).

Not applicable.

Thermal hazards

- 8.2.3 Environmental exposure controls** Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES AND SAFETY CHARACTERISTICS

9.1 Basic physical and chemical properties

Physical state	Liquid
Colour	Clear Colourless
Odour	Benzene-like Odour
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	82°C
Flammability	Highly flammable liquid and vapour.
Lower and upper explosion limit/flammability limit	Flammable Limits (Lower) (%v/v): 1.2 Flammable Limits (Upper) (%v/v): 7.1
Flash point	4°C [Closed cup]
Auto-ignition temperature	No data available
Decomposition temperature	No data available

SAFETY DATA SHEET

M-Line Rosin Solvent

ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

Date of issue: 24/02/2023
Date of First Issue: 24/02/2023
Version: 1.0

pH	No data available
Kinematic viscosity	< 20,5 mm ² /s (Worst case assumption)
Solubility	No data available
Partition coefficient n-octanol/water (log value)	Not applicable - Mixture
Vapour pressure	36 mmHg @ 30°C
Density and/or relative density	0.8 (H ₂ O = 1)
Relative vapour density	3 (Air = 1)
Particle characteristics	not applicable

9.2 Other information

Explosive properties	Vapours can form explosive mixtures with air.
Oxidising properties	Not oxidising.
Volatile Organic Compound Content	825 g/L
Evaporation rate	2.8 (BuAC = 1)

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Highly flammable liquid and vapour. Vapour is explosive in air at temperatures higher than the flash point. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. Hazardous polymerisation will not occur.
10.4	Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from direct sunlight. Keep at temperature not exceeding (°C): 25
10.5	Incompatible materials	Strong oxidising agents, Acids (Nitric acid and Sulphuric acid), Halogens and halogenated compounds.
10.6	Hazardous decomposition products	May decompose in a fire giving off toxic fumes. Carbon dioxide and Carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	Acute toxicity - Ingestion	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LD50: >300 - ≤2000 mg/kg bw/day.
	Acute toxicity - Inhalation	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 20 mg/l.
	Acute toxicity - Dermal	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LD50 >2000 mg/kg bw/day.
	Skin corrosion/irritation	Mixture: Skin corrosion/irritation - Category 2; H315: Causes skin irritation.
	Toluene	Skin corrosion/irritation - Category 2; H315: Causes skin irritation. Irritating to skin. (rabbit) (EU Method B.4) EU Harmonised Classification / ECHA registration dossier Hazardous Chemical Information System (HCIS)
	Propan-2-ol	Skin corrosion/irritation - Category 2; H315: Causes skin irritation. EU ECHA Registration Endpoint summary: Irritating to skin. (rabbit) EU Harmonised Classification / ECHA registration dossier Hazardous Chemical Information System (HCIS)
	Serious eye damage/irritation	Mixture: Serious eye damage/ Eye Irritation - Category 2A; H319: Causes serious eye irritation.
	Propan-2-ol	Serious eye damage/ Eye Irritation - Category 2A; H319: Causes serious eye irritation. Test Result: Irritating to eyes. (rabbit) (OECD 405) ECHA Registration Endpoint summary EU Harmonised Classification / ECHA registration dossier Hazardous Chemical Information System (HCIS)
	Respiratory or skin sensitisation	Mixture: Based upon the available data, the classification criteria are not met.

SAFETY DATA SHEET

M-Line Rosin Solvent

ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

Date of issue: 24/02/2023

Date of First Issue: 24/02/2023

Version: 1.0

Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity

Mixture: Based upon the available data, the classification criteria are not met.
Mixture: Based upon the available data, the classification criteria are not met.
Mixture: Reproductive toxicity - Category 1A ; H360: May damage fertility or the unborn child.

Toluene Reproductive toxicity - Category 1A ; H360: May damage fertility or the unborn child.

NOAEC: 600 ppm (Ono A et al,1996)

EU Harmonised Classification / ECHA registration dossier

Hazardous Chemical Information System (HCIS)

STOT - single exposure

Mixture: Specific target organ toxicity - Single exposure - Category 3; H336: May cause drowsiness or dizziness.

Toluene Specific target organ toxicity - Single exposure - Category 3;H336: May cause drowsiness or dizziness.

Narcotic effects – (rat) (OECD 403)

EU Harmonised Classification / ECHA registration dossier

Hazardous Chemical Information System (HCIS)

Propan-2-ol Specific target organ toxicity - Single exposure - Category 3; H336: May cause drowsiness or dizziness.

Narcotic effects – (rat) (OECD 403)

EU Harmonised Classification / ECHA registration dossier

Hazardous Chemical Information System (HCIS)

STOT - repeated exposure

Mixture: Specific target organ toxicity - Repeated exposure - Category 2; H373: May cause damage to organs through prolonged or repeated exposure.

Toluene Specific target organ toxicity - Repeated exposure - Category 2; H373: May cause damage to organs through prolonged or repeated exposure: Nervous system

NOAEL 625 mg/kg bw/day (EU Method B.26)

ECHA registration dossier

EU Harmonised Classification / ECHA registration dossier

Hazardous Chemical Information System (HCIS)

Aspiration hazard

Mixture: Aspiration Toxicity - Category 1; H304: May be fatal if swallowed and enters airways.

Toluene Aspiration Toxicity - Category 1; H304: May be fatal if swallowed and enters airways.

Dynamic viscosity 0.56 mPa s @ 20°C

EU Harmonised Classification / ECHA registration dossier

Hazardous Chemical Information System (HCIS)

Information on likely routes of exposure

Inhalation

Unlikely – accidental exposure

Ingestion

Possible – accidental exposure

Skin contact

Possible – accidental exposure

Eye contact

Possible – accidental exposure

Symptoms related to the physical, chemical and toxicological characteristics

Not applicable

Delayed and immediate effects and also chronic affects from short and long term exposure

May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure: Central nervous system.

Numerical measures of toxicity (such as acute toxicity estimates)

None Known

Interactive effects

None Known

11.2 **Other information**

NTP Report on Carcinogens

None Known

IARC Monographs

No components listed.

Toluene: Group 3

SAFETY DATA SHEET

M-Line Rosin Solvent

www.vpgsensors.com

ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

Date of issue: 24/02/2023

Date of First Issue: 24/02/2023

Version: 1.0

Propan-2-ol: Group 3

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Mixture: Hazardous to the aquatic environment, Chronic, Category 3; H412: Harmful to aquatic life with long lasting effects. Estimated Mixture LC50 >10 - ≤ 100 mg/l (Fish)
	Toluene	Hazardous to the aquatic environment, Chronic, Category 3; H412: Harmful to aquatic life with long lasting effects. 40 day Chronic toxicity to aquatic organisms NOEC: 1.4mg/L (Fish) ECHA registration dossier
12.2	Persistence and degradability	The product is biodegradable.
	Toluene	Readily biodegradable.
	Propan-2-ol	Readily biodegradable.
12.3	Bioaccumulative potential	The product has low potential for bioaccumulation.
	Toluene	The substance has low potential for bioaccumulation.
	Propan-2-ol	The substance has low potential for bioaccumulation.
12.4	Mobility in soil	The product is predicted to have high mobility in soil. May evaporate quickly.
	Toluene	The substance has high mobility in soil. Partially soluble.
	Propan-2-ol	The substance has high mobility in soil. Miscible with water.
12.5	Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Safe handling and disposal methods	Dispose of this material and its container as hazardous waste. Send after pre-treatment to a appropriate hazardous waste incinerator facility according to legislation. Containers of this material may be hazardous when empty since they retain product residue. Dispose of contents in accordance with local, state or national legislation.
------	---	---

SECTION 14: TRANSPORT INFORMATION

	ADR/RID/ADG	IMDG/ADN	IATA/CAO
14.1	UN number	UN 1993	UN 1993
14.2	UN proper shipping name	FLAMMABLE LIQUID N.O.S (Toluene / 2-Propanol)	FLAMMABLE LIQUID N.O.S (Toluene / 2-Propanol)
14.3	Transport hazard class(es)	3	3
14.4	Packing group	II	II
14.5	Environmental hazards	Not classified as a Marine Pollutant.	Not classified as a Marine Pollutant.
14.6	Special precautions for user	See Section: 2	
14.7	Transport in bulk according to IMO instruments	Not applicable	
	Hazchem code	●3YE(3)	

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations specific for the product in question	
15.2	International regulations	
	Montreal Protocol / Stockholm Convention / Rotterdam Convention / Basel Convention / MARPOL	Not listed
	IARC Monographs	Not applicable
15.3	National regulations	
	Australian Inventory of Chemical Substances	All chemicals listed
	NICNAS - Priority Existing Chemicals	All chemicals are not listed
	NICNAS - IMAP Framework	Listed: Propan-2-ol (Tier II: Human Health Assessment) Toluene (Tier II: Human Health Assessment)

SAFETY DATA SHEET

M-Line Rosin Solvent

ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

Date of issue: 24/02/2023
Date of First Issue: 24/02/2023
Version: 1.0

NICNAS - High Volume Industrial Chemical List

Listed: Toluene (Threshold Range: Between 10,000 and 99,999 tonnes)

National Pollutant Inventory

Propan-2-ol (Threshold Range: Between 1,000 and 9,999 tonnes)

Listed:

Toluene (Threshold Category = 1, Threshold = 10 tpa)

Propan-2-ol (VOC - Threshold Category = 1a, Threshold = 25 tpa/a design capacity of 25 kilotonnes for bulk storage facilities; Threshold Category = 2a, Threshold = 400 tpa/1 tph; Threshold Category = 2b, Threshold = 2,000 tpa/60,000 MWh/rated at 20 MW)

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Not listed

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: V1.0 - not applicable

Version 1.0
Revision date 24/02/2023
Date of First Issue 24/02/2023

References:

Existing Safety Data Sheet (SDS), Harmonised Classification(s) for 2-Propanol (CAS No. 67-63-0) and Toluene (CAS No. 108-88-3). Existing ECHA registration(s) for 2-Propanol (CAS No. 67-63-0) and Toluene (CAS No. 108-88-3).

Hazardous Chemical Information System (HCIS)

GHS Classification	Classification Procedure
Flammable liquid - Category 2; H225	Flash Point [Open cup] Test Result/ Boiling Point (°C)
Aspiration Toxicity - Category 1; H304	Threshold Calculation, Expert judgement, Worst case assumption
Skin corrosion/irritation - Category 2; H315	Threshold Calculation
Serious eye damage/ Eye Irritation - Category 2A; H319	Threshold Calculation
Specific target organ toxicity - Single exposure - Category 3; H336	Threshold Calculation
Reproductive toxicity - Category 1A ; H360	Threshold Calculation
Specific target organ toxicity - Repeated exposure - Category 2; H373	Threshold Calculation
Hazardous to the aquatic environment, Chronic - Category 3; H412	Summation Calculation

This Safety Data Sheet was prepared in accordance with Code Of Practice For The Preparation Of Safety Data Sheets For Hazardous Chemicals (Safe Work Australia, 2020) & GHS 7

Legend

ADG Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
ADR ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF Bioconcentration Factor
CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL Derived no effect level
EU European Union
IATA IATA: International Air Transport Association
ICAO ICAO: International Civil Aviation Organization
IMDG IMDG: International Maritime Dangerous Goods
LTEL Long term exposure limit
PBT PBT: Persistent, Bioaccumulative and Toxic
PNEC Predicted No Effect Concentration
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals
RID RID: Regulations concerning the international railway transport of dangerous goods
STEL Short term exposure limit
vPvB vPvB: very Persistent and very Bioaccumulative

SAFETY DATA SHEET

M-Line Rosin Solvent

www.vpgsensors.com

ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

Date of issue: 24/02/2023

Date of First Issue: 24/02/2023

Version: 1.0

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Vishay Precision Group gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Vishay Precision Group accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.



Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "VPG"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

The product specifications do not expand or otherwise modify VPG's terms and conditions of purchase, including but not limited to, the warranty expressed therein.

VPG makes no warranty, representation or guarantee other than as set forth in the terms and conditions of purchase. **To the maximum extent permitted by applicable law, VPG disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.**

Information provided in datasheets and/or specifications may vary from actual results in different applications and performance may vary over time. Statements regarding the suitability of products for certain types of applications are based on VPG's knowledge of typical requirements that are often placed on VPG products. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. You should ensure you have the current version of the relevant information by contacting VPG prior to performing installation or use of the product, such as on our website at vpgsensors.com.

No license, express, implied, or otherwise, to any intellectual property rights is granted by this document, or by any conduct of VPG.

The products shown herein are not designed for use in life-saving or life-sustaining applications unless otherwise expressly indicated. Customers using or selling VPG products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify VPG for any damages arising or resulting from such use or sale. Please contact authorized VPG personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Copyright Vishay Precision Group, Inc., 2014. All rights reserved.