

Health	*	1
Fire hazard		2
Reactivity		0
Personal protection		

Material Safety Data Sheet

1. Product and company identification

Product code	: 10-01190
Product name	: RVA-119 WM Wash
Material uses	: Printing. Colorant.
Manufacturer/ Distributor	: Sun Chemical Corporation 631 Central Avenue Carlstadt, NJ 07072
In case of emergency	: (800) 424-9300 (U.S.) (703) 527-3887 (International)
Regulatory information	: Canada: (905) 796-2222 US: (201) 933-4500
Other information	: (513) 830-8500
Date of revision	: 4/21/2010.

2. Hazards identification

Physical state	: Liquid.
Color	: Yellow.
OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Emergency overview	: WARNING! Do not ingest. Avoid contact with skin and clothing. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Routes of entry	Dermal contact. Inhalation.
<u>Potential acute health effects</u>	
Eyes	: Irritating to eyes.
Skin	: Irritating to skin.
Inhalation	: No known significant effects or critical hazards.
Ingestion	: Harmful if swallowed.
<u>Potential chronic health effects (Long term exposure)</u>	
Carcinogenic effects	: No known significant effects or critical hazards.
Mutagenic effects	: No known significant effects or critical hazards.
Teratogenicity / Reproductive toxicity	: No known significant effects or critical hazards.
Target organs	:
Medical conditions aggravated by over-exposure	: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (Section 11)

3 . Composition/information on ingredients

<u>Hazardous ingredients</u>	<u>CAS number</u>	<u>%</u>
Petroleum Naphtha	64742-95-6	25 - 40
1,2,4-Trimethylbenzene	95-63-6	10 - 25
Dipropylene Glycol Methyl Ether	34590-94-8	5 - 10
1,3,5-Trimethylbenzene	108-67-8	2.5 - 5
DIETHYLBENZENE	25340-17-4	1 - 2.5

4 . First aid measures

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	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
Inhalation	: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Ingestion	: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

5 . Fire-fighting measures

Flammability of the product	: Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
Products of combustion	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
<u>Extinguishing media</u>	
Suitable	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Not suitable	: Do not use water jet.
Special exposure hazards	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Flammability (OSHA criteria)	: II
Flash point	: Closed cup: 41°C (105.8°F)

6 . Accidental release measures

Personal precautions	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6 . Accidental release measures

Methods for cleaning up : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7 . Handling and storage

Handling : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 . Exposure controls/personal protection

Product name

1,2,4-Trimethylbenzene

Exposure limits

ACGIH TLV (United States, 1/2008).

TWA: 123 mg/m³ 8 hour(s).

TWA: 25 ppm 8 hour(s).

Dipropylene Glycol Methyl Ether

ACGIH TLV (United States, 1/2008). Absorbed through skin.

STEL: 909 mg/m³ 15 minute(s).

STEL: 150 ppm 15 minute(s).

TWA: 606 mg/m³ 8 hour(s).

TWA: 100 ppm 8 hour(s).

1,3,5-Trimethylbenzene

ACGIH TLV (United States, 1/2008).

TWA: 123 mg/m³ 8 hour(s).

TWA: 25 ppm 8 hour(s).

Consult local authorities for acceptable exposure limits.

Engineering measures : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Personal protection

Eyes : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

8 . Exposure controls/personal protection

- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9 . Physical and chemical properties

- Physical state** : Liquid.
- Color** : Yellow.
- Boiling/condensation point** : Lowest known value: 149°C (300°F)
- Melting/freezing point** : May start to solidify at the following temperature: 70°C (158°F) This is based on data for the following ingredient: diethylbenzene. Weighted average: -58.47°C (-73.2°F)
- Flash point** : Closed cup: 41°C (105.8°F)
- VOC** : 98.5%
- Auto-ignition temperature** : Lowest known value: 395°C (743°F) (diethylbenzene).
- Vapor pressure** : 0.21 kPa (1.6 mm Hg)
- Density** : 0.831 g/cm³ (6.933 lbs/gal)
- Vapor density** : Highest known value: 5.11 (Air = 1) (Dipropylene Glycol Methyl Ether). Weighted average: 2.66 (Air = 1)
- Evaporation rate** : Highest known value: <1 (distillates (petroleum), hydrotreated light) Weighted average: 0.74 compared with butyl acetate

10 . Stability and reactivity

- Stability and reactivity** : The product is stable.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.
- Reactivity - Light** : Not applicable.

11 . Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Petroleum Naphtha	LD50 Oral	Rat	8400 mg/kg	-
1,2,4-trimethylbenzene	LD50 Oral	Rat	5 g/kg	-
	LDLo	Rat	1752 mg/kg	-
	Intraperitoneal			
	LC50 Inhalation	Rat	18000 mg/m ³	4 hours
	Vapor			
Dipropylene Glycol Methyl Ether	LD50 Dermal	Rabbit	10 mL/kg	-
	LD50 Oral	Rat	5.5 ml/kg	-
	LD50 Oral	Rat	5400 uL/kg	-
diethylbenzene	LDLo Oral	Rat	5 g/kg	-
mesitylene	LD50 Oral	Rat	5000 mg/kg	-
	TDLo	Rat	12 mL/kg	-

11 . Toxicological information

Subcutaneous
LC50 Inhalation Rat 24000 mg/m3 4 hours
Vapor

Conclusion/Summary : No known significant effects or critical hazards.

Chronic toxicity

Conclusion/Summary : No known significant effects or critical hazards.

Carcinogenicity

Conclusion/Summary : No known significant effects or critical hazards.

Mutagenicity

Conclusion/Summary : No known significant effects or critical hazards.

Teratogenicity

Conclusion/Summary : No known significant effects or critical hazards.

Reproductive toxicity

Conclusion/Summary : No known significant effects or critical hazards.

12 . Ecological information

Environmental effects : No known significant effects or critical hazards.

Aquatic ecotoxicity

Conclusion/Summary : Not available.

Biodegradability

Conclusion/Summary : Not available.

13 . Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Refer to protective measures listed in sections 7 and 8.
Empty containers or liners may retain some product residues.

14 . Transport information

Regulatory information	UN number	Proper shipping name	Class	PG*	Label	Additional information
DOT Classification	NA1993	Combustible Liquid, N. O.S.,(Contains Petroleum Distillates)	Combustible liquid.	III		-

PG* : Packing group

15 . Regulatory information

HCS Classification	: Combustible liquid Irritating material Target organ effects
TSCA 8(b) inventory	: Not determined.
U.S. Federal regulations	: TSCA 4(a) final test rules: Dipropylene Glycol Methyl Ether TSCA 4(a) ITC priority list: No products were found. TSCA 4(a) proposed test rules: No products were found. TSCA 5(a)2 final significant rules: No products were found. TSCA 5(a)2 proposed significant rules: No products were found. TSCA 5(e) substance consent order: No products were found. TSCA 6 final risk management: No products were found. TSCA 6 proposed risk management: No products were found. TSCA 8(a) CAIR: No products were found. TSCA 8(a) chemical risk rules: No products were found. TSCA 8(a) dioxin/furane precursor: No products were found. TSCA 8(a) CDR Exempt/Partial exemption: No products were found. TSCA 8(a) PAIR: Dipropylene Glycol Methyl Ether TSCA 8(c) calls for record of SAR: No products were found. TSCA 8(d) H and S data reporting: No products were found. TSCA 12(b) annual export notification: No products were found. TSCA 12(b) one-time export: Dipropylene Glycol Methyl Ether TSCA precursor chemical list: No products were found. TSCA commerce control list: No products were found. TSCA commerce control list: SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: Dipropylene Glycol Methyl Ether; distillates (petroleum), hydrotreated light; 1,2,4-trimethylbenzene; mesitylene; diethylbenzene SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Dipropylene Glycol Methyl Ether: Fire hazard, Immediate (acute) health hazard; distillates (petroleum), hydrotreated light: Delayed (chronic) health hazard; 1,2,4-trimethylbenzene: Fire hazard, Delayed (chronic) health hazard; mesitylene: Fire hazard, Immediate (acute) health hazard; diethylbenzene: Fire hazard, Immediate (acute) health hazard Clean Water Act (CWA) 307: benzene; toluene; Ethyl Benzene Clean Water Act (CWA) 311: xylene; benzene; toluene; Ethyl Benzene Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Supplier notification	: Not available.	95-63-6	18.401

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

CONEG : In compliance.

International lists

15 . Regulatory information

International lists : **Canada inventory:** Not determined.
Europe inventory: Not determined.
Australia inventory (AICS): Not determined.
China inventory (IECSC): Not determined.
Japan inventory: Not determined.
Korea inventory: Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.

16 . Other information

Label requirements : FLAMMABLE LIQUID AND VAPOR. COMBUSTIBLE. CAUSES EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.

Hazardous Material Information System (U.S.A.) :

Health	*	1
Fire hazard		2
Reactivity		0

Personal protection

Version : 2.27

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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