



SAFETY DATA SHEET

1. Identification

Product Name: Rim Strip
Product Code: B1567
SDS Date: 7/13/2017
Use: Industrial

Chemisphere Corporation
2101 Clifton Ave
St. Louis, MO 63139

General Information: 314-644-1300
CHEMTREC: 800-424-9300

2. Hazard(s) identification

GHS Classification

Flammable Liquid - (Category 4)
Acute toxicity, Oral (Category 3)
Acute toxicity, Inhalation (Category 3)
Acute toxicity, Dermal (Category 2)
Skin Corrosion (Category 1)
Serious eye Damage (Category 1A)
Carcinogen - (Category 2)
Reproductive toxicant - (Category 2)
Mutagenic (Category 2)
Specific target organ toxicity - single exposure - (Category 3)
Specific target organ toxicity - repeated exposure - (Category 2)

Pictogram



Signalword Danger

HazardStatement

Combustible liquid.
Toxic if swallowed.
Toxic if inhaled.
Fatal in contact with skin.
Causes severe skin burns and eye damage.
Causes serious eye damage.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
Suspected of causing genetic defects.
May cause respiratory irritation.
May cause drowsiness or dizziness.



May cause damage to organs through prolonged or repeated exposure.

Precautionary

Do not breathe mist/vapors/spray. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood. Keep away from flames and hot surfaces-no smoking. Obtain special instructions before use. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder or water spray to extinguish. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If exposed or concerned: Get medical advice/ attention. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

Hazards not otherwise classified: Not available

3. Composition/information on ingredients

Name	CAS	Concentration
Methylene Chloride	75-09-2	40-90
Phenol	108-95-2	10-30
Hydrofluoric Acid	7664-39-3	1-10
Formic Acid	64-18-6	10-30

4. First-aid measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indications of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards	Carbon oxides, Hydrogen chloride gas



Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

Further Information No data available

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and storage

Safe Handling Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from heat, sparks and open flame. "Empty" containers retain product residue (liquid and/or vapor) that can be dangerous. Do NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition due to explosion or fire hazard. Empty drums should be completely drained and properly bunged and promptly returned to a reconditioner or other proper disposal.

Safe Storage Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls/personal protection

Name		CAS	
Methylene Chloride		75-09-2	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
25 ppm	125 ppm	50 ppm	Not Available
Phenol		108-95-2	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
5 ppm	No data available	5 ppm	No data available
Hydrofluoric Acid		7664-39-3	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
3 ppm	No data available	0.5 ppm	No data available
Formic Acid		64-18-6	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
5 ppm	Not Available	5 ppm	10 ppm



Engineering Control	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Eye/Face Protection	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin Protection	Handle with fluorinated rubber gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and chemical properties

Appearance	Methylene Chloride	Liquid
Odor	Methylene Chloride	No data available
Odor Threshold	Methylene Chloride	No data available
pH	Methylene Chloride	No data available
Melting/Freezing Point	Methylene Chloride	-97.0 °C (-142.6 °F)
Initial Boiling Point/Range	Methylene Chloride	40.0 °C (104.0 °F)
Flash Point	Methylene Chloride	No flash point as defined by method. (Flash point may appear and drop as methylene chloride evaporates)
Evaporation Rate	Methylene Chloride	0.71
Flammability	Methylene Chloride	No data available
Upper Explosion Limit	Methylene Chloride	19%
Lower Explosion Limit	Methylene Chloride	12%
Vapor Pressure	Methylene Chloride	470.9 hPa (353.2 mmHg) at 20.0 °C (68.0 °F)
Vapor Density	Methylene Chloride	2.93 - (Air = 1.0)
Relative Density	Methylene Chloride	1.32 g/cm ³
Water Solubility	Methylene Chloride	slightly soluble



Partition Coefficient	Methylene Chloride	log Pow: 1.25
Auto Ignition Temperature	Methylene Chloride	556.1 °C (1,033.0 °F) 662.0 °C (1,223.6 °F)
Decomposition Temperature	Methylene Chloride	No data available
Viscosity	Methylene Chloride	No data available

10. Stability and reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Heat, flames and sparks. Exposure to sunlight.
Incompatible materials	Alkali metals, Aluminum, Strong oxidizing agents, Bases, Amines, Magnesium, Strong acids and strong bases, Vinyl compounds
Hazardous Decomposition Products	No data available

11. Toxicological information

Name	CAS
Methylene Chloride	75-09-2
LD50 Oral - Rat - > 2,000 mg/kg	
LC50 Inhalation - Rat - 52,000 mg/m3	
LD50 Dermal - Rat - > 2,000 mg/kg	
Skin corrosion/irritation	Result: Irritating to skin. - 24 h
Serious eye damage/eye irritation	Result: Irritating to eyes. - 24 h
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Rat DNA damage
Carcinogenicity	IARC: 2B - Group 2B: Possibly carcinogenic to humans (Methylene chloride) NTP: Reasonably anticipated to be a human carcinogen (Methylene chloride) OSHA: OSHA specifically regulated carcinogen (Methylene chloride)
Reproductive	No data available
Additional information	Dichloromethane is metabolized in the body producing carbon monoxide which increases and sustains carboxyhemoglobin levels in the blood, reducing the oxygen-carrying capacity of the blood., Acts as a simple asphyxiant by displacing air., anesthetic effects, Difficulty in breathing, Headache, Dizziness, Prolonged or repeated contact with skin may cause:, defatting, Dermatitis, Contact with eyes can cause:, Redness, Blurred vision,



Provokes tears., Effects due to ingestion may include:, Gastrointestinal discomfort, Central nervous system depression, Paresthesia., Drowsiness, Convulsions, Conjunctivitis., Pulmonary edema. Effects may be delayed., Irregular breathing., Stomach/intestinal disorders, Nausea, Vomiting, Increased liver enzymes., Weakness, Heavy or prolonged skin exposure may result in the absorption of harmful amounts of material., Abdominal pain

Name**CAS**

Phenol

108-95-2

LD50 Oral - Rat - 317.0 mg/kg

LC50 Inhalation - Rat - 8 h - 900 mg/m³

LD50 Dermal - Rabbit - 630.0 mg/kg

Skin corrosion/irritation Result: Severe skin irritation - 24 h**Serious eye damage/eye irritation** Result: Corrosive**Respiratory or skin sensitization** No data available**Germ cell mutagenicity** In vitro tests showed mutagenic effects**Carcinogenicity** This product is or contains IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Phenol)**Reproductive** No data available

Additional information Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Circulatory collapse, tachypnea, paralysis, Convulsions, Coma., necrosis of mouth and G.I. Tract, Jaundice, respiratory failure, cardiac arrest



Name	CAS
Hydrofluoric Acid	7664-39-3
Oral - No data available	
Inhalation: no data available	
Dermal: no data available	
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	no data available
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	no data available
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	no data available
Additional information	Fluoride ion can reduce serum calcium levels possibly causing fatal hypocalcemia., Material can cause severe burns and blistering which may not be immediately painful or visible. The full extent of tissue damage may not exhibit itself for 12-24 hours after exposure., Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., necrosis of the skin

Name	CAS
Formic Acid	64-18-6
LD50 Oral - Rat - 730 mg/kg	
LC50 Inhalation - Rat - 4 h - 7.4 mg/l	
Dermal: No data available	
Skin corrosion/irritation	Result: Severe skin irritation
Serious eye damage/eye irritation	Result: Severe eye irritation
Respiratory or skin sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Germ cell mutagenicity	No data available
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	No data available
Additional information	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting



12. Ecological information

Name	CAS	Toxicity
Methylene Chloride	75-09-2	LC50 - Pimephales promelas (fathead minnow) - 193.00 mg/l - 96 h NOEC - Cyprinodon variegatus (sheepshead minnow) - 130 mg/l - 96 h EC50 - Daphnia magna (Water flea) - 1,682.00 mg/l - 48 h
Phenol	108-95-2	Algae toxicity: EC50 Pseudokirchnerella subcapitata, (freshwater, cell number): 61.1 mg/L96h EC50 Entomoneis cf punctulata, (marine water, growth rate): 76 mg/L/72h Bacterial toxicity: IC50 Nitrosomonas sp: 21 mg/L/24h. Daphnia toxicity: EC50 Ceriodaphnia dubia: 3.1 mg/L/48h. Fish toxicity: LC50 Oncorhynchus mykiss: 8.9 mg/L/96h. Long-term fish toxicity: 60 d NOEC (Cirrhina mrigala): 0.077 mg/L. Long-term daphnia toxicity: 16 d EC10 (Daphnia magna, growth): 0.46 mg/L.
Hydrofluoric Acid	7664-39-3	No data available
Formic Acid	64-18-6	LC50 - Leuciscus idus (Golden orfe) - 46 - 100 mg/l - 96 h, EC50 - Daphnia magna (Water flea) - 34.2 mg/l - 48 h, Pseudomonas putida - 46.7 mg/l - 17 h

13. Disposal considerations

Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

Proper Shipping Name	Corrosive Liquids, Toxic, n.o.s. (Hydrofluoric Acid, Dichloromethane)
Hazard Class	8, (6.1)
Identification Number	UN2922



Packing Group

II

Label

Corrosive, Toxic

15. Regulatory information

Name	CAS
------	-----

Methylene Chloride	75-09-2
--------------------	---------

SARA 302/304	No components were identified
---------------------	-------------------------------

SARA 313	313
-----------------	-----

CERCLA	RQ=1000 lbs
---------------	-------------

SARA 311/312	Acute Health Hazard, Chronic Health Hazard
---------------------	--

PROP 65	Cancer Hazard
----------------	---------------

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

Name	CAS
------	-----

Phenol	108-95-2
--------	----------

SARA 302/304	RQ = 500 lbs
---------------------	--------------

SARA 313	313
-----------------	-----

CERCLA	RQ = 1,000 lbs
---------------	----------------

SARA 311/312	Acute Health Hazard, Chronic Health Hazard
---------------------	--

PROP 65	No components were identified
----------------	-------------------------------

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

Name	CAS
------	-----

Hydrofluoric Acid	7664-39-3
-------------------	-----------

SARA 302/304	100 lbs
---------------------	---------

SARA 313	313
-----------------	-----

CERCLA	RQ = 100 lbs
---------------	--------------

SARA 311/312	Acute Health Hazard, Chronic Health Hazard
---------------------	--

PROP 65	No components identified
----------------	--------------------------

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.



Name	CAS
Formic Acid	64-18-6
SARA 302/304	No components were identified
SARA 313	313
CERCLA	RQ=5,000 lbs
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	No components were identified

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

16. Other information, including date of preparation or last revision

SDS Date: 7/13/2017

Disclaimer:

The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof. Chemisphere, however, makes no representation as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the information will be required to make their own determination as to its suitability for their purposes prior to use. In no event will Chemisphere be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. User assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE BY CHEMISPHERE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this SDS. The ultimate compliance with federal, state or local regulations concerning the use of this compound, or compliance with respect to product liability, rests solely upon the purchaser thereof. This information relates to the material designated and may not be valid for such material used in combination with any other materials nor in any process.