



SAFETY DATA SHEET

1. Identification

Product Name: 1827/KK #2007
Product Code: B1575
SDS Date: 8/26/2019
Use: Industrial. This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

Chemisphere Corporation
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St. Louis, MO 63139

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

2. Hazard(s) identification

GHS Classification

Flammable liquids (Category 3)
Skin irritation (Category 2),
Eye irritation (Category 2A),
Reproductive toxicity (Category 2)
Specific target organ toxicity - single exposure (Category 3), Respiratory system, Central nervous system
Specific target organ toxicity - repeated exposure, Oral (Category 2), Liver, Blood
Specific target organ toxicity - repeated exposure, Inhalation (Category 2), Central nervous system
Specific target organ toxicity - single exposure (Category 1)
Carcinogenicity (Category 2)

Pictogram



Signalword Danger

Hazard Statement

Flammable liquid and vapor
Causes skin irritation.
Causes serious eye irritation
Suspected of damaging fertility or the unborn child
May cause respiratory irritation
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
Causes damage to organs
Suspected of causing cancer

Precautionary

Do not breathe mist/vapors/spray. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Ground/bond container and receiving equipment. Keep away from



heat/sparks/open flames/hot surfaces-no smoking. Keep container tightly closed. Obtain special instructions before use. Take precautionary measure against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Get medical advice/attention if you feel unwell. If exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water shower. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish. Store in a well-ventilated place. Keep cool. Keep container tightly closed. 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
Oxalic Acid	144-62-7	1-10
Methylene Chloride	75-09-2	50-100
Methanol	67-56-1	1-30
Formic Acid	64-18-6	1-10

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.

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		
Oxalic Acid	144-62-7		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
1 mg/m3	No data available	1 mg/m3	2 mg/m3
Methylene Chloride	75-09-2		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
25 ppm	125 ppm	50 ppm	Not Available
Methanol	67-56-1		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
200 ppm	Not Available	200 ppm	250 ppm
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 data available
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
Oxalic Acid	144-62-7
LD50 Oral - Rat - female - 1,080 mg/kg	
Inhalation: No data available	
LD50 Dermal - Rabbit - 20,000 mg/kg	
Skin corrosion/irritation Result: No skin irritation	
Serious eye damage/eye irritation Result: Risk of serious damage to eyes. - 24 h	
Respiratory or skin sensitization Result: Does not cause skin sensitisation.	
Germ cell mutagenicity Result: negative	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
Reproductive Possible risk of congenital malformation in the fetus. Reproductive toxicity - Mouse - Oral Effects on Fertility: Other measures of fertility Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).	
Additional information Repeated dose toxicity - Lowest observed adverse effect level - 150 mg/kg	



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
Methanol	67-56-1
LDLO Oral - Human - 143 mg/kg, LD50 Oral - Rat - 1,187 - 2,769 mg/kg	
LC50 Inhalation - Rat - 4 h - 128.2 mg/l, LC50 Inhalation - Rat - 6 h - 87.6 mg/l	
LD50 Dermal - Rabbit - 17,100 mg/kg	
Skin corrosion/irritation Result: No skin irritation	
Serious eye damage/eye irritation Result: No eye irritation	
Respiratory or skin sensitization Does not cause skin sensitisation.	
Germ cell mutagenicity Result: negative	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
Reproductive No data available	
Additional information Methyl alcohol may be fatal or cause blindness if swallowed. Effects due to ingestion may include:, Headache, Dizziness, Drowsiness, metabolic acidosis, Coma, Seizures. Symptoms may be delayed., Damage of the:, Liver, Kidney	

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
Oxalic Acid	144-62-7	static test LC50 - <i>Leuciscus idus melanotus</i> - 160 mg/l - 48 h Immobilization EC50 - <i>Daphnia magna</i> (Water flea) - 162.2 mg/l - 48 h
Methylene Chloride	75-09-2	LC50 - <i>Pimephales promelas</i> (fathead minnow) - 193.00 mg/l - 96 h NOEC - <i>Cyprinodon variegatus</i> (sheepshead minnow) - 130 mg/l - 96 h EC50 - <i>Daphnia magna</i> (Water flea) - 1,682.00 mg/l - 48 h
Methanol	67-56-1	mortality LC50 - <i>Lepomis macrochirus</i> (Bluegill) - 15,400.0 mg/l - 96 h, NOEC - <i>Oryzias latipes</i> - 7,900 mg/l - 200 h, EC50 - <i>Daphnia magna</i> (Water flea) - > 10,000.00 mg/l - 48 h, Growth inhibition EC50 - <i>Scenedesmus capricornutum</i> (fresh water algae) - 22,000.0 mg/l - 96 h
Formic Acid	64-18-6	LC50 - <i>Leuciscus idus</i> (Golden orfe) - 46 - 100 mg/l - 96 h, EC50 - <i>Daphnia magna</i> (Water flea) - 34.2 mg/l - 48 h, <i>Pseudomonas putida</i> - 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	Toxic, Liquids, Organic, n.o.s. (Dichloromethane)
Hazard Class	6.1
Identification Number	UN2810
Packing Group	III
Label	Toxic



15. Regulatory information

Name	CAS
Oxalic Acid	144-62-7
SARA 302/304	No data available
SARA 313	No data available
CERCLA	No data available
SARA 311/312	No data available
PROP 65	No data available
Name	CAS
Methylene Chloride	75-09-2
SARA 302/304	No components were identified
SARA 313	313
CERCLA SARA	RQ=1000 lbs
311/312 PROP 65	Acute Health Hazard, Chronic Health Hazard Cancer Hazard
TSCA	This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.
Name	CAS
Methanol	67-56-1
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	Developmental hazard
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

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

SDS Date: 8/26/2019

Disclaimer:

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