

SAFETY DATA SHEET

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1. IDENTIFICATION

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|---------------------|---|
| Product Name | Super Speed Strip Paste |
| Product Type | Paste Stripper |
| Product # | SSPS |
| 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. |
| Supplier | Columbia Coatings 1173 Industrial Park Rd Columbia, TN 38401 |
| Contact | Columbia Coatings: (931) 388-7730 Phone (931) 388-5573 Fax EMERGENCY CONTACT: CHEMTREC: 800-424-9300 |

2. HAZARD IDENTIFICATION

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|---|--|
| <p>*Information pertaining to particular danger for man and environment. -Harmful by inhalation and/or if swallowed.</p> | |
| <p>*Classification System -Classification was made according to the latest editions of international substances lists, and expanded upon from company literature data.</p> <p>Signalword: Danger</p> <p>GHS Classification: Flammable liquid (Category 3) H226 Serious eye damage (Category 1) H318 Skin corrosion (Category 1A) H314 Specific target organ toxicity – repeated exposure Inhalation (Category 2) Central nervous system H373 Specific target organ toxicity – repeated exposure Oral (Category 2) Liver, Blood H373 Specific target organ toxicity – single exposure (Category 3) Respiratory system – Central nervous system H335 H336 Carcinogenicity – (Category 1B) H350 Germ cell mutagenicity (Category 1B) H340 Reproductive toxicity (Category 2) H361</p> | |

Hazard Statement:

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

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. Response: Call a poison center/doctor if you feel unwell. If exposed or concerned: 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. Immediately call a poison center/doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with plenty of water shower. Immediately call a poison center/doctor. If swallowed: Immediately call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. In case of fire: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide to extinguish. Take off immediately all contaminated clothing and wash it before reuse. Storage: 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 and international regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Components | Case# | TWA-OSHA | STEL-OSHA | TWA-ACGIH | STEL-ACGIH | CONCENTRATE % |
|-----------------------------|--------------|-----------------|------------------|------------------|-------------------|----------------------|
| Acetic Acid | 64-19-7 | 10ppm | n/a | 10ppm | 15ppm | 1 - 20 |
| Methylene Chloride | 75-09-2 | 25ppm | 125ppm | 50ppm | n/a | 50 - 100 |
| Toluene | 108-88-3 | 100ppm | 150ppm | 20ppm | n/a | 1 - 20 |
| Formic Acid | 64-18-6 | 5ppm | n/a | 5ppm | 10ppm | 1 - 20 |

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 Fire-Fighters**

-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. Remove all sources of ignition. 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

***Information For Safe Handling**

-Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

***Information For 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 AND PERSONAL PROTECTION

| Hazardous Components | Case# | TWA-OSHA | STEL-OSHA | TWA-ACGIH | STEL-ACGIH | CONCENTRATE % |
|----------------------|----------|----------|-----------|-----------|------------|---------------|
| Acetic Acid | 64-19-7 | 10ppm | n/a | 10ppm | 15ppm | 1 – 20 |
| Methylene Chloride | 75-09-2 | 25ppm | 125ppm | 50ppm | n/a | 50 – 100 |
| Toluene | 108-88-3 | 100ppm | 150ppm | 20ppm | n/a | 1 – 20 |
| Formic Acid | 64-18-6 | 5ppm | n/a | 5ppm | 10ppm | 1 – 20 |

***Engineering Control**

-Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the 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

| Physical & Chemical Properties | |
|-------------------------------------|---|
| Appearance: | Paste |
| Odor: | n/a |
| Odor Threshold: | n/a |
| pH: | n/a |
| Melting/Freezing Point: | -142.6°F (-97°C) |
| Initial Boiling Point Range: | 104°F (40°C) |
| Flash Point: | No flash point as defined by method. (Flash point may appear and drop as methylene chloride evaporates) |
| Evaporation Rate: | 0.71 |
| Flammability: | n/a |
| Upper Explosion Limit: | 19% |
| Lower Explosion Limit: | 12% |
| Vapor Pressure: | 470.9 hPa (353.2 mmHg) at 68°F (20°C) |
| Vapor Density: | 2.93 - (Air = 1.0) |
| Relative Density: | 1.32 g/cm ³ |
| Water Solubility: | Slightly Soluble |
| Partition Coefficient: | log Pow: 1.25 |
| Auto Ignition Temperature: | 1,033°F (556.1°C) 1,223.6°F (662°C) |
| Decomposition Temperature: | n/a |
| Viscosity: | n/a |

10. STABILITY AND REACTIVITY

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| *Reactivity <i>-No data available</i> |
| *Chemical Stability <i>-Stable under recommended storage conditions.</i> |
| *Possibility of Hazardous Reactions <i>-No data available</i> |
| *Conditions to Avoid <i>-Heat, flames and sparks. Exposure to sunlight.</i> |
| *Incompatible Materials <i>-Alkali Metals, Aluminum, Strong Oxidizing Agents, Bases, Amines, Magnesium, Strong Acids and Strong Bases, Vinyl Compounds.</i> |
| *Hazardous Decomposition Products <i>-No data available</i> |

11. TOXICOLOGICAL INFORMATION

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| Name: Acetic Acid CAS: 64-19-7 LD50 Oral - Rat - 3,310 mg/kg LDLO Inhalation - Mouse - 1h - 5,620 ppm LD50 Dermal - Rabbit - 1,112 mg/kg | |
| Skin Corrosion/Irritation | Result: Causes severe burns |
| Serious Eye Damage/Eye Irritation | Result: Corrosive to eyes |
| 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, ACGIH, 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, ingestion or inhalation of concentrated acetic acid causes damage to tissues of the respiratory and digestive tracts. Symptoms include: hematemesis, bloody diarrhea, edema and/or perforation of the esophagus and pylorus, pancreatitis, hematuria, anuria, uremia, albuminuria, hemolysis, convulsions, bronchitis, pulmonary edema, pneumonia, cardiovascular collapse, shock, and death. Direct contact or exposure to high concentrations of vapor with skin or eyes can cause: erythema, blisters, tissue destruction with slow healing, skin blackening, hyperkeratosis, fissures, corneal erosion, opacification, iritis, conjunctivitis, and possible blindness. |

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| Name: Methylene Chloride CAS: 75-09-2 LD50 Oral - Rat -> 2,000 mg/kg LD50 Inhalation - Rat - 52,000 mg/m ³ LD50 Dermal - Rat -> 2,000 mg/kg | |
| Skin Corrosion/Irritation | Result: Irritating to skin. - 24h |
| Serious Eye Damage/Eye Irritation | Result: Irritating to eyes. - 24h |
| 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 |

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|---|---|
| Name: Toluene CAS: 108-88-3 Oral: LD50 Oral – Rat -> 5,580 mg/kg Inhalation: LC50 Inhalation – Rat – 4h – 12,000 – 28,800 mg/m ³ Dermal: LD50 Dermal – Rabbit – 12,196 mg/kg | |
| Skin Corrosion/Irritation | Result: Skin irritation – 24h |
| Serious Eye Damage/Eye Irritation | Result: No eye irritation |
| Respiratory or Skin Sensitization | No data available |
| Germ Cell Mutagenicity | Rat – Liver, DNA Damage |
| Carcinogenicity | IARC: 3 – Group 3: Not classifiable as to its carcinogenicity to humans (Toluene) |
| Reproductive | Experiments have shown reproductive toxicity effects in male and female laboratory animals. |
| Additional Information | Lung irritation, chest pain, pulmonary edema, Inhalation studies on toluene have demonstrated the development of inflammatory and ulcerous lesions of the penis, prepuce, and scrotum in animals., central nervous system |

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| Name: Formic Acid CAS: 64-18-6 LDLO Oral - Rat - 730 mg/kg LC50 Inhalation - Rat - 4 h – 7.4 mg/l LD50 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 |
|--------------------|----------|--|
| Acetic Acid | 64-19-7 | Semi-Static Test LC50 – Oncorhynchus Mykiss (Rainbow Trout) -> 1,000 mg/l – 96h Toxicity to Daphnia and EC50 – Daphnia Magna (Water Flea) -> 300.82 mg/l – 48h |
| Methylene Chloride | 75-09-2 | LC50 – Pimephales Promelas (Fathead Minnow): 193 mg/l 96h NOEC – Cyprinodon Variegatus (Sheepshead Minnow): 130 mg/l 96h EC50 – Daphnia Magna (Water Flea): 1,682 mg/l 48h |
| Toluene | 108-88-3 | LC50 – Oncorhynchus Mykiss (Rainbow Trout) – 7.63 mg/l – 96h, NOEC – Pimephales Promelas (Fathead Minnow) – 5.44 mg/l – 7d, EC50 – Daphnia Magna (Water Flea) – 8.00 mg/l – 24h, Immobilization EC50 – Daphnia Magna (Water Flea)- 6 mg/l – 48h, EC50 – Chlorella Vulgaris (Fresh Water Algae) – 245 mg/l – 24h – EC50 Pseudokirchneriella Subcapitata (Green Algae) – 10 mg/l – 24h |
| Formic Acid | 64-18-6 | LC50 – Leuciscus Idus (Golden Orfe): 46 – 100 mg/l 96h EC50 – Daphnia Magna (Water Flea): 34.2 mg/l 48h, Pseudomonas Putida: 46.7 mg/l 17h |

13. DISPOSAL CONSIDERATIONS

***Disposal**

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

14. TRANSPORTATION INFORMATION

Proper Shipping Name: Corrosive Liquids, Toxic, n.o.s. (Formic Acid, Dichloromethane)

Hazard Class: 8, (6.1)

Identification Number: UN2922

Packing Group: II

Label: Corrosive, Toxic

15. REGULATIONS

Name: Acetic Acid

CAS: 64-19-7

SARA 302/304: No components were identified

SARA 313: No components were identified

CERCLA: RQ = 5,000 lbs.

SARA 311/312: No components were identified

PROP 65: No components were identified

Name: Methylene Chloride

CAS: 75-09-2

SARA 302/304: No components were identified

SARA 313: 313

CERCLA: RQ = 1,000 lbs.

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

PROP 65 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 3(13)) for consumer paint or coating removal.

Name: Toluene

CAS: 108-88-3

SARA 302/304: No components were identified

SARA 313: 313

CERCLA: RQ = 1,000 lbs.

SARA 311/312: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

PROP 65: Developmental Hazard

Name: Formic Acid

CAS: 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

THIS INFORMATION IS BASED ON OUR PRESENT KNOWLEDGE. HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE FOR ANY SPECIFIC PRODUCT FEATURES AND SHALL NOT ESTABLISH A LEGALLY VALID CONTRACTUAL RELATIONSHIP.

Disclaimer:

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