

# SAFETY DATA SHEET

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## 1. IDENTIFICATION

<b>Product Name</b>	Super Speed Strip Liquid
<b>Product Type</b>	Liquid Stripper
<b>Product #</b>	SSL5
<b>Use</b>	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.
<b>Supplier</b>	Columbia Coatings 1173 Industrial Park Rd, Columbia, TN 38401
<b>Contact</b>	Columbia Coatings: (931) 388-7730 Phone (931) 388-5573 Fax  <b>EMERGENCY CONTACT: CHEMTREC: 800-424-9300</b>

## 2. HAZARD IDENTIFICATION

<p><b>*Information pertaining to particular danger for man and environment.</b> -Harmful by inhalation and/or if swallowed.</p>	
<p><b>*Classification System</b> -Classification was made according to the latest editions of international substances lists, and expanded upon from company literature data.</p> <p><b>Signalword:</b> Danger</p> <p>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 toxicity (Category 2) Mutagenic (Category 2) Specific target organ toxicity - single exposure (Category 3) Specific target organ toxicity - repeated exposure (Category 2)</p>	

**Hazard Statement:**

Combustible liquid.

Toxic if swallowed.

Toxic if inhaled.

Fatal in contact with skin

Causes serious eye damage.

Causes severe skin burns and 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.

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**

<b>Hazardous Components</b>	<b>Case#</b>	<b>TWA-OSHA</b>	<b>STEL-OSHA</b>	<b>TWA-ACGIH</b>	<b>STEL-ACGIH</b>	<b>CONCENTRATE %</b>
Methylene Chloride	75-09-2	25ppm	125ppm	50ppm	n/a	40 - 90
Phenol	108-95-2	5ppm	n/a	5ppm	n/a	10 - 30
Hydrofluoric Acid	7664-39-3	3ppm	n/a	0.5ppm	n/a	1 - 10
Formic Acid	64-18-6	5ppm	n/a	5ppm	10ppm	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 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. 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 Cleaning and Collecting**

*-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. 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 re-conditioner or other proper disposal.*

### \*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 %
Methylene Chloride	75-09-2	25ppm	125ppm	50ppm	n/a	40 – 90
Phenol	108-95-2	5ppm	n/a	5ppm	n/a	10 – 30
Hydrofluoric Acid	7664-39-3	3ppm	n/a	0.5ppm	n/a	1 – 10
Formic Acid	64-18-6	5ppm	n/a	5ppm	10ppm	10 – 30

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

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

<b>Name:</b> Methylene Chloride <b>CAS:</b> 75-09-2 LD50 Oral - Rat - > 2,000 mg/kg LDLO Inhalation - Rat - 52,000 mg/m <sup>3</sup> LD50 Dermal - Rat - > 2,000 mg/kg	
<b>Skin Corrosion/Irritation</b>	Result: Irritating to skin. - 24h
<b>Serious Eye Damage/Eye Irritation</b>	Result: Irritating to eyes. - 24h
<b>Respiratory or Skin Sensitization</b>	No data available
<b>Germ Cell Mutagenicity</b>	Rat - DNA Damage
<b>Carcinogenicity</b>	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)
<b>Reproductive</b>	No data available
<b>Additional Information</b>	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 the 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.

<b>Name:</b> Phenol <b>CAS:</b> 108-95-2 LD50 Oral - Rat - 317 mg/kg LDLO Inhalation - Rat - 8h - 900 mg/m <sup>3</sup> LD50 Dermal - Rabbit - 630 mg/kg	
<b>Skin Corrosion/Irritation</b>	Result: Severe skin irritation - 24h
<b>Serious Eye Damage/Eye Irritation</b>	Result: Corrosive
<b>Respiratory or Skin Sensitization</b>	No data available
<b>Germ Cell Mutagenicity</b>	In vitro tests showed mutagenic effects
<b>Carcinogenicity</b>	This product is or contains IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Phenol)
<b>Reproductive</b>	No data available
<b>Additional Information</b>	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

<b>Name:</b> Hydrofluoric Acid <b>CAS:</b> 7664-39-3 Oral: No data available Inhalation: No data available Dermal: No data available	
<b>Skin Corrosion/Irritation</b>	No data available
<b>Serious Eye Damage/Eye Irritation</b>	No data available
<b>Respiratory or Skin Sensitization</b>	No data available
<b>Germ Cell Mutagenicity</b>	No data available
<b>Carcinogenicity</b>	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
<b>Reproductive</b>	No data available
<b>Additional Information</b>	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

<b>Name:</b> Formic Acid	
<b>CAS:</b> 64-18-6	
LDLO Oral - Rat - 730 mg/kg	
LC50 Inhalation - Rat - 4 h - 7.4 mg/l	
LD50 Dermal - No data available	
<b>Skin Corrosion/Irritation</b>	Result: Severe skin irritation
<b>Serious Eye Damage/Eye Irritation</b>	Result: Severe eye irritation
<b>Respiratory or Skin Sensitization</b>	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
<b>Germ Cell Mutagenicity</b>	No data available
<b>Carcinogenicity</b>	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
<b>Reproductive</b>	No data available
<b>Additional Information</b>	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 mg/l 96h NOEC - Cyprinodon Variegatus (Sheepshead Minnow): 130 mg/l 96h EC50 - Daphnia Magna (Water Flea): 1,682 mg/l 48h
Phenol	108-95-2	Algae Toxicity: EC50 - Pseudokirchnerella Subcapitata, (Freshwater, cell number): 61.1 mg/l 96h ED50 - 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 24h Fish Toxicity: LC50 Oncorhynchus Mykiss: 8.9 mg/l 96h Long Term Fish Toxicity: NOEC (Cirrhina Mrigala): 0.077 mg/l 60d Long Term Daphnia Toxicity: EC10 (Daphnia Magna, Growth): 0.46 mg/l 16d
Hydrofluoric Acid	7664-39-3	No data available
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. (Hydrofluoric Acid, Dichloromethane)  
**Hazard Class:** 8, (6.1)  
**Identification Number:** UN2922  
**Packing Group:** II  
**Label:** Corrosive, Toxic

#### 15. REGULATIONS

**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:** Cancer Hazard

*\*This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory. 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:** Phenol  
**CAS:** 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:** Hydrofluoric Acid  
**CAS:** 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 were identified

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

**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

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

## 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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