

Safety Data Sheet

according to OSHA Hazard Communication
29 CFR Part 1910.1200

SECTION 1. Identification

Product Code DL1020 05

24 Hour Emergency:

Product Name: Out-Strip

1-888-426-4851

Supplied by:
Lawson Products, Inc.
8770 W. Bryn Mawr Ave., Suite 900
Chicago, IL 60631
1-866-529-7664
www.lawsonproducts.com

SECTION 2. Hazard(s) Identification

***** EMERGENCY OVERVIEW ***:** May be fatal or cause blindness if swallowed. Flammable liquid and vapor. Corrosive. Can cause eye burns and permanent tissue damage. Causes serious eye damage. Suspect cancer hazard - Risk of cancer depends on duration and level of exposure. May damage the unborn child. May harm breast-fed children. Can cause permanent injury to the eyes.

GHS Classification

Acute Tox. 4 Oral, Carc. 2, Eye Dam. 1, Flam. Liq. 3, Lact. Effect, Repr. 1A, Skin Irrit. 2, STOT RE 1, STOT SE 2, STOT SE 3 NE, STOT SE 3 RTI

Symbol(s) of Product



Signal Word

Danger

GHS HAZARD STATEMENTS

Acute Toxicity, Oral, category 4	H302	Harmful if swallowed.
Carcinogenicity, category 2	H351	Suspected of causing cancer.
Effects on or via lactation	H362	May cause harm to breast-fed children.
Flammable Liquid, category 3	H226	Flammable liquid and vapor.
Reproductive Toxicity, category 1A	H360	May damage fertility or the unborn child.
STOT, repeated exposure, category 1	H372	Causes damage to organs through prolonged or repeated exposure.
STOT, single exposure, category 2	H371	May cause damage to organs.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
STOT, single exposure, category 3, RTI	H335	May cause respiratory irritation.
Serious Eye Damage, category 1	H318	Causes serious eye damage.
Skin Irritation, category 2	H315	Causes skin irritation.

GHS PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground/bond container and receiving equipment.

P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P263	Avoid contact during pregnancy/while nursing.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician
P302+P352	IF ON SKIN: Wash with plenty of water
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor/physician
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see first aid section on this label).
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use appropriate method to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Methylene chloride	75-09-2	75-100	GHS07-GHS08	H302-315-319-335-336-351-372
Methanol	67-56-1	2.5-10	GHS02-GHS08	H225-360-362-370
Ethyl alcohol	64-17-5	2.5-10	GHS02-GHS07	H225-319-335-336
Phosphate ester	51811-79-1	2.5-10	GHS05-GHS07	H302-312-315-318
2-aminoethanol	141-43-5	1.0-2.5	GHS05-GHS07	H227-302-312-314-332-335
Hydroxypropyl methylcellulose	9004-65-3	1.0-2.5	No Information	No Information

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

SECTION 4. First-Aid Measures



FIRST AID - EYE CONTACT: Remove contact lenses if worn. Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly. Retract eyelids often.

FIRST AID - SKIN CONTACT: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately and clean shoes before reuse. If sticky, use waterless cleaner first.

FIRST AID - INHALATION: Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

FIRST AID - INGESTION: Do not induce vomiting. Do not give liquids. Obtain emergency medical attention.

SECTION 5. Fire-Fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable liquid and vapor. Vapors/dust may cause flash fire or explosion. Vapors

can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and 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. Also, do not reuse container without commercial cleaning or reconditioning.

SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Water spray to cool containers or protect personnel. Use with caution. Avoid use of solid water streams. Water may be ineffective. Do not use water jet (frothing possible). Small fires: Dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Large fires: Water spray, water fog, and alcohol-resistant foam.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

SECTION 6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section) Use only non-combustible material for clean-up. Remove from surface by skimming or with suitable absorbents. Recover by pumping (use an explosion proof or hand pump). Use clean, non-sparking tools to collect absorbed materials. Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Stay upwind of spill. Ventilate spill area. Collect spilled materials for disposal. Flush spill area with water spray. Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) A vapor suppressing foam may be used to reduce vapors. A vapor suppressing foam or water mist/spray may be used to disperse vapors.

SECTION 7. Handling and Storage



HANDLING: Use only in a well ventilated area. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues. Avoid contact with eyes, skin, and clothing. Always open containers slowly to allow any excess pressure to vent. When transferring, follow proper grounding procedures. Use spark-resistant tools. Do not load into compartments adjacent to heated cargo. Avoid breathing vapor, fumes or mist. Use explosion proof equipment. Take precautionary measures against static discharge.

STORAGE: Containers can build up pressure if exposed to heat (fire). Keep away from heat, sparks, and flame. Keep container closed when not in use. Protect from direct sunlight. Store containers in a cool, well ventilated place. Blanket storage with inert gas.

SECTION 8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Methylene chloride	50 ppm	125 ppm	25 ppm	N.D.
Methanol	200 ppm	250 ppm	200 ppm	N.D.
Ethyl alcohol	N.D.	1000.0 ppm	1000.0 ppm	N.D.
Phosphate ester	1mg/m ³	3 mg/m ³	1mg/m ³	N.D.
2-aminoethanol	3 ppm	6 ppm	3 ppm	N.D.
Hydroxypropyl methylcellulose	N.A.	N.A.	N.A.	N.A.

Personal Protection



RESPIRATORY PROTECTION: Wear a MSHA/NIOSH approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.



SKIN PROTECTION: Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield. Wear impervious gloves to prevent contact with the skin. Where splashing is possible, full chemically resistant protective clothing (e.g. acid suit) and boots are required. Wear protective gear as needed - apron, suit, boots.



EYE PROTECTION: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).



OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.



HYGENIC PRACTICES: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Avoid breathing vapors. Do not eat, drink, or smoke in areas where this material is used.

SECTION 9. Physical and Chemical Properties

Appearance:	Clear, transparent, viscous liquid	Physical State:	Liquid
Odor:	Typical	Odor Threshold:	N.D.
Density, g/cm3:	1.245	pH:	N.D.
Freeze Point, °F:	N.D.	Viscosity:	N.D.
Solubility in Water:	Slight	Explosive Limits, vol%:	14.0 - 22.0
Boiling Range, °F:	104 - 342	Flash Point, °F:	130
Evaporation Rate:	N.D.	Auto-ignition Temp., °F:	N.D.
Vapor Density:	N.D.	Vapor Pressure:	N.D.

(See "Other information" Section for abbreviation legend)

SECTION 10. Stability and Reactivity

STABILITY: No Information

CONDITIONS TO AVOID: Avoid impact, friction, heat, sparks, flame and source of ignition. Do not store near reactive materials. Minimize exposure to air.

INCOMPATIBILITY: Keep away from acids. Prevent contact with strong oxidizing agents. Prevent contact with combustible materials. Avoid contact with strong reducing agents. Keep away from strong bases. Keep separate from alkalies. Prevent contact with halogens. Avoid contact with amines. Do not add or formulate with nitrates. Avoid contact with hydrogen peroxide, chromic anhydride, nitric acid, mixed nitric/sulfuric acid, nitrosyl perchlorate, permonosulfuric acids, potassium tert-butoxide, sodium hypobromite, chlorinated melamine. Avoid contact with moisture and/or water. Avoid contact with concentrated sulfuric or nitric acid. May be corrosive to aluminum, magnesium, titanium, and their alloys. May be corrosive to iron, stainless steel, copper, and nickel in the presence of air and water, and especially at elevated temperatures. May react violently with alkali and alkaline earth metals such as sodium, potassium and barium. Avoid contact with acidic pH.

HAZARDOUS DECOMPOSITION PRODUCTS: May release hydrogen chloride under fire conditions. Toxic gases/fumes are given off during burning or thermal decomposition. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed. At decomposition temperature, chlorine gas may be emitted. Decomposition releases nitrogen oxides. Combustion can lead to the formation of formaldehyde. Combustion can lead to formation of formic acid. Decomposition under fire conditions can lead to the formation of oxides of phosphorus.

HAZARDOUS POLYMERIZATION: No Information

SECTION 11. Toxicological Information



Information on Toxicological Effects

EFFECTS OF OVEREXPOSURE - INHALATION: Causes delayed lung injury. Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression). Prolonged exposure to high concentrations can cause central neurological depression and EEG abnormalities. Breathing in the material may irritate the mucous membranes of the nose, throat bronchi and lungs. Excessive exposure may cause carboxyhemoglobinemia, therefore impairing the blood's ability to transport oxygen. Can cause pulmonary edema. Easily absorbed through lungs. May cause dizziness and drowsiness. Repeated or prolonged exposure may cause liver and kidney damage. Toxic by inhalation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Corrosive, causes burns and permanent skin damage (scarring). Skin absorption may add significantly to the overall toxic effect.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Corrosive. Can cause eye burns and permanent tissue damage. Contact with the eye may cause mild irritation. Symptoms may include stinging, tearing, redness and swelling. Causes serious irritation to eyes. Causes severe irritation. Causes the following effects: discomfort, pain, excess blinking, tear production, marked excess redness of

the conjunctivae, swelling of the conjunctivae, chemical burns of the cornea. Corneal injury may be severe, extensive, and if not treated promptly could result in permanent impairment of vision.

EFFECTS OF OVEREXPOSURE - INGESTION: May be fatal or cause blindness if swallowed. Corrosive and may cause severe and permanent damage to mouth, throat, and stomach. Harmful or fatal if liquid is aspirated into lungs. Ingestion may cause liver and kidney damage. Ingestion may result in nausea, vomiting, diarrhea and pain. May cause central nervous system depression. May cause dizziness and drowsiness and/or stupor. Ingestion may cause gastrointestinal tract irritation. Contains Methanol. Methanol may cause nausea, abdominal pain, vomiting, headache, dizziness, shortness of breathe, weakness, fatigue, leg cramps, restlessness, confusion, drunken behavior, visual disturbances, drowsiness, coma, and death. Toxic if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: May cause delayed lung damage. Suspect cancer hazard - Risk of cancer depends on duration and level of exposure. Possible reproductive hazard. Overexposure may cause nervous system damage. Overexposure may cause kidney damage. May cause liver disorder (e.g., edema, proteinuria) and damage. Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes. Material is slowly eliminated from the body, therefore it can have cumulative toxicity effects with repeated exposures. Ethanol possesses properties that indicate a carcinogenity hazard for human health but these are manifest only at doses associated with consumption of alcoholic beverages. In the context of an industrial chemical, these hazards do not warrant concern as these are not likely to result from the manufacture and use of ethanol and ethanol containing products as intended. Ethanol possesses properties that indicate a lactation hazard for human health but these are manifest only at doses associated with consumption of alcoholic beverages. In the context of an industrial chemical, these hazards do not warrant concern as these are not likely to result from the manufacture and use of ethanol and ethanol containing products as intended. Ethanol possesses properties that indicate a developmental hazard for human health but these are manifest only at doses associated with consumption of alcoholic beverages. In the context of an industrial chemical, these hazards do not warrant concern as these are not likely to result from the manufacture and use of ethanol and ethanol containing products as intended. May cause damage to unborn child. May cause harm to breast-fed children.

Primary Route(s) of Entry: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name according to EEC</u>	<u>Oral LD50, mg/kg</u>	<u>Dermal LD50, mg/kg</u>	<u>Vapor LC50, mg/L</u>
75-09-2	Methylene chloride	985	>2000	>76
67-56-1	Methanol	>2528	17100	128.2
64-17-5	Ethyl alcohol	>7,060	>5000	>19,977.18
51811-79-1	Phosphate ester	>1000	>2000	N.D.
141-43-5	2-aminoethanol	1515	1025	N.D.
9004-65-3	Hydroxypropyl methylcellulose	>10000.0	N.D.	N.D.

SECTION 12. Ecological Information

ECOLOGICAL INFORMATION: No Information

SECTION 13. Disposal Considerations



For more guidance and information contact our Waste Services Division at (262) 658-4000.

Always dispose of any waste in accordance with all local, state, and federal regulations.

DISPOSAL METHOD: Dispose of waste in accordance with all local, state and federal regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASE OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section) Use only non-combustible material for clean-up. Remove from surface by skimming or with suitable absorbents. Recover by pumping (use an explosion proof or hand pump). Use clean, non-sparking tools to collect absorbed materials. Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Stay upwind of spill. Ventilate spill area. Collect spilled materials for disposal. Flush spill area with water spray. Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) A vapor suppressing foam may be used to reduce vapors. A vapor suppressing foam or water mist/spray may be used to disperse vapors.

SECTION 14. Transport Information

DOT Proper Shipping Name: Flammable liquids, toxic, n.o.s.
(Dichloromethane, methanol)

Packing Group: III

DOT Hazard Class: 3 (6.1)
DOT UN/NA Number: UN1992

Hazard SubClass: No Information
Resp. Guide Page: 131

SECTION 15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
Methylene chloride	75-09-2
Methanol	67-56-1
acetaldehyde	75-07-0
dioxane	123-91-1
Toluene	108-88-3

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

U.S. State Regulations:

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product.

No NJ Right-To-Know components exist in this product.

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product are at or greater than 3%.

No PA Right-To-Know components exist in this product.

CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS-No.</u>
Methylene chloride	75-09-2
acetaldehyde	75-07-0
dioxane	123-91-1

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

<u>Chemical Name</u>	<u>CAS-No.</u>
Methanol	67-56-1
Toluene	108-88-3

International Regulations: As follows -

CANADIAN WHMIS:

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class: No Information

SECTION 16. Other Information

Revision Date: 8/12/2015 **Supersedes Date:** 4/15/2015

Datasheet produced by: EH&S - Regulatory Department

HMIS Ratings:

Health:	2	Flammability:	2	Reactivity:	0	Personal Protection:	X
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Volatile Organic Compounds, gr/ltr: 121

DISCLAIMER: THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT REPORTED HEREIN, IF ANY, IS BASED ON A MATERIAL VOC CALCULATION. NOTE THAT SEVERAL METHODS ARE USED FOR CALCULATING VOC CONTENT AND THAT STANDARDS/ REQUIREMENTS REGARDING VOC CONTENT VARY BY LOCATION/JURISDICTION. ACCORDINGLY, EMCO MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS MATERIAL'S COMPLIANCE WITH VOC STANDARDS/ REQUIREMENTS APPLICABLE IN LOCATIONS/JURISDICTIONS WHERE THIS MATERIAL MAY BE SOLD OR USED.

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H225	Highly flammable liquid and vapor.
H227	Combustible liquid
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H362	May cause harm to breast-fed children.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02	
GHS05	
GHS07	
GHS08	

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information on this SDS was obtained from sources which we believe to be reliable. However, the information provided is without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information and recommendations are offered for the user's consideration and examination and should be used to make an independent determination of the methods to safeguard workers and the environment. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For these reasons we do not assume responsibility and expressly disclaim any liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS may not be applicable. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.