

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed on 05/02/2024

1 Identification

Product identifier-

Trade name: **SAFE STRIP**

Product description

SAFE STRIP is an environmentally preferred paint and resin solvent.

Product Name	Part No.	Packaging	National Stock No.
Safe Strip	0387-55	55 Gal Drum	6850-01-386-8430
Safe Strip	0387-5	5 Gal Pail	6850-01-386-8424
Safe Strip	0387-1	4 x 1 Gal Case	6850-01-386-8428

Details of the supplier of the safety data sheet

Manufacturer Supplier:

Ecolink
 4325 First Ave #9,
 Tucker, GA 30084
 www.ecolink.com
 800-886-8240 or 770-621-8240 (8-5 EST)

email: info@ecolink.com

Emergency telephone number:

Inside the U.S.: 800-535-5053 (INFOTRAC, 24 HOURS)
 Outside the U.S.: 352-323-3500 (INFOTRAC, 24 HOURS)

2 Hazard(s) identification

Classification of the substance or mixture



GHS08 Health hazard

Category 1B H360 May damage fertility or the unborn child



GHS07

Category 2 H315 Causes skin irritation

Category 2A H319 Causes serious eye irritation

STOT SE 3 H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness

Category 4 H227 Combustible liquid

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

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Trade name: **SAFE STRIP**

Label elements

Hazard pictograms



GHS07 GHS08

- **Signal word** *Danger*
- **Hazard-determining components of labeling:**
N-methyl-2-pyrrolidone (NMP)
Dipropylene glycol dimethyl ether
- **Hazard statements**
Combustible liquid.
Causes skin irritation
Causes serious eye irritation.
May damage fertility or the unborn child.
May cause respiratory irritation.
May cause drowsiness or dizziness.
- **Precautionary statements**
Keep away from flames and hot surfaces. – No smoking.
Avoid breathing fumes, gas, mist, vapors, spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, eye protection, face protection.
Wash thoroughly after handling.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a poison center or doctor if you feel unwell.
IF exposed or concerned: Get medical advice/attention
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use dry chemical, CO₂, water spray or alcohol-resistant foam
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:** *NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme*
- **NFPA ratings (scale 0 - 4)**



Health = 2
 Fire = 2
 Reactivity = 0

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = *2
FIRE	2	Fire = 2
REACTIVITY	0	Reactivity = 0

· **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous Components:**

CAS: 872-50-4	N-methyl-2-pyrrolidone (NMP)	80-90%
RTECS: UY 5790000	Repr. 18, H360; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; H336	
CAS: 111109-77-4	Di(propylene glycol) dimethyl ether, mixture of isomers	10-20%
	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335; Flam. Liq. 4, H227	

4 First-aid measures

· **Description of first aid measures**

- **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not leave victim un-attended. If breathing is difficult administer oxygen. If unconscious place in a recovery position and seek medical advice. If not breathing, ensure that there is no obstruction to air passage ways and give artificial respiration by trained personnel, immediately seek medical attention. In the event of unconsciousness, apnea or cardiac arrest (no pulse) apply cardiopulmonary resuscitation.
- **In case of skin contact:** Appears to be readily absorbed through the skin however no systematic toxicity is expected from acute dermal exposure. Immediately wash with water and soap and rinse thoroughly. Take off contaminated clothing and shoes immediately, wash before re-use. If skin irritation develops or if ill effect seek medical attention.
- **In case of eye contact:** Remove contact lens and rinse opened eye and under eyelids for at least 15 minutes under running water. If symptoms persist, seek medical attention immediately.
- **If swallowed:** If victim is drowsy or unconscious, place on the left side with head down. If victim is conscious and able to swallow have them to drink water to dilute. Never give anything by mouth if victim is unconscious or having convulsions. This product posses a possible lung aspiration hazard if it is ingested. Induce vomiting only if advised by physician or Poison Control Center. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. If vomiting does occur, have victim lean forward to reduce risk of aspiration.
- **Information for doctor:** This product may cause eye, skin and respiratory tract irritation. High concentrations may cause central nervous system (CNS) depression. Ingestion would likely cause gastrointestinal tract irritation. Skin absorption hazard. **Treatment:** Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of patient. There is no specific antidote. Potential danger from aspiration must be weighed against possible oral toxicity when deciding to induce vomiting.

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5 Fire-fighting measures

- **Suitable extinguishing agents:** **SMALL FIRE** - Use dry chemical, CO₂, water spray or regular foam. **LARGE FIRE** - Use water spray, water fog or regular foam. Do not use straight streams.
- **Unsuitable extinguishing media:** Do not use solid water stream
- **Specific hazards during fire fighting:** When heated above flash point flammable vapors release. When mixed with air and exposed to ignition source vapors can burn in open or explode if confined. Vapors may be heavier than air and may travel long distances along the ground before igniting and flashing back to vapor source. Fine sprays/mists may be combustible below normal flash point. Heat may build enough to rupture closed containers.
- **Advice for firefighters** Remove containers from fire area if possible. Fight fire from maximum distance. Cool containers with flooding quantities of water well after fire is out. Prevent run-off from fire fighting to enter drains and all water ways.
- **Protective equipment:** Wear positive pressure self contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.

6 Accidental release measures

- **Personal precautions:** Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep people at a distance and stay upwind. Avoid contact with skin, eyes and clothing. Keep away from ignition sources.
- **Environmental precautions:** Prevent entry into waterways, sewers, basements or confined areas. If product contaminates rivers and/or lakes or drains inform respective authorities. If necessary all contaminated wastewater must be treated in a municipal or industrial wastewater treatment plant before release to surface water. The discharge of treatment plant effluent to rivers and oceans must achieve the dilution ratio needed to reduce exposures to an acceptable level.
- **Methods and material for containment and cleaning up:** Combustible liquid, Eliminate all sources of ignition. All equipment used when handling this product must be grounded. Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust). Use non-sparking tools to collect absorbed material. Dike large spills and place materials in salvage containers. Treat all waste as hazardous and dispose using licensed waste removal company.

7 Handling and storage

- **Handling:**
- **Advice for safe handling:** Use only in areas provided with appropriate exhaust ventilation. Handle empty containers with care, residue may be combustible and burn if exposed to heat/sparks/open flame. In addition, residual vapor and liquid may also be toxic. Keep container tightly closed when not in use. Wear recommended personal protective equipment. Avoid contact with incompatible agents. Observe precautions pertaining to confined space entry.
- **Information about protection against explosions and fires:**
Keep away from heat and sources of ignition.
- **Conditions for safe storage, including any incompatibilities**
Mild or stainless steel containers. Store away from heat, sparks, open flames, strong oxidizing agents and direct sunlight. Keep container tightly closed and properly labeled.

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8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
 All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits. Consult local authorities for acceptable exposure limits.
- **Components with occupational exposure limits:**
872-50-4 N-methyl-2-pyrrolidone (NMP)
 WEEL Long-term value: 10 ppm (Skin)
- **Ingredients with biological limit values:**
872-50-4 N-methyl-2-pyrrolidone (NMP)
 BEI 100 mg/L urine end of shift
 5-Hydroxy-N-methyl-2-pyrrolidone
- **Exposure controls**
Engineering measures - At elevated temperatures special ventilation may be required even if flash point has not been exceeded. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits.
- **Personal protective equipment**
General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work.
- **Respiratory protection:** No occupational exposure limits have been developed for this material. Not necessary if room is well-ventilated. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators, use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

Use chemical resistant gloves appropriate to conditions of use.

- **Material of gloves: Butyl rubber gloves.** Other types of solvent resistant gloves, including Nitrile gloves, may be used for intermittent exposure. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

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· **Eye and face protection:**



Tightly sealed goggles including both chemical splash goggles and face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles or vapor. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

· **Skin and Body protection:**



When skin contact is possible protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn. Choose body protection according to the amount and concentration of the dangerous substance at the work palce. Use PPE this is chemical resistant to the product and prevents skin contact.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Liquid

Color:

Colorless to light yellow

· **Odor:**

Mild, sweet

· **pH-value:**

No Data Available

· **Boiling point/Boiling range:**

202 °C (396 °F)

· **Flash point:**

88 °C (190 °F) Closed Cup

· **Flammability (solid, gaseous):**

Not applicable.

· **Decomposition temperature:**

Not determined.

· **Autoignition:**

473°F (245°C)

· **Danger of explosion:**

Not determined.

· **Explosion limits:**

Lower:

~ 1.3 Vol %

Upper:

~ 9.5 Vol %

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- **Density @ 77 °F (25 °C):** 1.03 g/cm³ (8.59 lbs/gal)
- **Relative density** Not determined.
- **Vapor density** > 1 (air=1)
- **Evaporation rate @ 20 °C (68 °F)** 0.03 (nBuAc=1)
- **Solubility in Water:** Completely miscible
- **Partition coefficient (n-octanol/water):** Not determined
- **Viscosity:**
 - Dynamic:** 1.661 mPa.s at 77°F (25°C)
 - Kinematic:** Not determined.
- **Other information** *Hygroscopic. This substance or mixture is not classified as oxidizing.*

10 Stability and reactivity

- **Reactivity:** Not classified as a reactivity hazard
- **Chemical stability** Stable under recommended storage conditions.
- **Conditions to avoid:** Heat, sparks, open flame or other ignition sources, oxidizing conditions.
- Thermal decomposition:** Incomplete combustion may produce carbon monoxide, oxides or compounds of nitrogen and other toxic gases.
- **Hazardous reactions** Not expected to occur. Stable
- **Incompatible materials:** Strong oxidizing agents, strong reducing agents, moisture and humidity
- **Hazardous decomposition products:** Carbon monoxide and nitrogen oxide fumes emitted when heated to decomposition.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

872-50-4 N-methyl-2-pyrrolidone (NMP)

Oral LD50 4,150 mg/kg (rat)

Dermal LD50 > 5,000 mg/kg (rat)

Inhalation LC50 >5.1 mg/l 4 hrs. (rat)
- **Primary irritant effect:**
- **Skin corrosion/irritation:** Not classified, may cause mild skin irritation
- **Serious eye damage/eye irritation:** Classified. Causes serious eye irritation.
- Respiratory or Skin sensitization:** Skin sensitization. Based on skin sensitization values, not classified.

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Chronic toxicity:

Carcinogenicity - Not classified. This product has had a positive finding in carcinogenic investigation. The findings do not appear to be relevant to classification due to non genotoxic mechanism and the species sensitivity to the liver tumors observed.

Germ cell mutagenicity - Not classified. No adverse effect observed.

Reproductive toxicity:

Effects on fertility/Effects on or via lactation - Not classified. No adverse effect observed.

Effects on Development - Classified. May damage the unborn child.

Routes of exposure: Inhalation

Target Organs: Respiratory System

Target Organ Systemic Toxicant - Single Exposure - Classified. May cause respiratory irritation, may cause dizziness or drowsiness.

Target Organ Systemic Toxicant - Repeated Exposure - Based on repeated exposure toxicity values, not classified

Aspiration Hazard - Based on physico-chemical values or lack of human evidence, not classified

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

None of the ingredients are listed.

· **NTP (National Toxicology Program)**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

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12 Ecological information

· **Aquatic toxicity:**

872-50-4 N-methyl-2-pyrrolidone (NMP)

EC50 1.23-1.50 mg/l (Water flea)

Acute aquatic toxicity - Based on acute aquatic toxicity values, not classified

Chronic aquatic toxicity - Not classified based on readily biodegradability and low acute toxicity.

Toxicity to fish - Acute toxicity to fish is very low

Toxicity to daphnia and other aquatic invertebrates - Low acute toxicity to aquatic invertebrates

Toxicity to algae - Low toxicity to algae

Toxicity to bacteria - Low toxicity to sewage microbes

Toxicity to fish (Chronic toxicity) - No data available, study scientifically unjustified

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) Low chronic toxicity to aquatic invertebrates

· **Persistence and degradability 872-50-4 N-methyl-2-pyrrolidone (NMP)**

· **Behavior in environmental systems:**

Biodegradability - Readily biodegradable.

BOD (Modified MITI Method) = 73% (28 days)

· **Bioaccumulative potential** - No bioaccumulation expected in aquatic organisms

· **Mobility in soil**

Distribution among environmental compartments - Stability in soil - no data available, low potential for soil adsorption expected. **Stability in water** - Hydrolysis expected to be very slow. Half-life > 1 year (QSAR calculate value)

· **Additional ecological information:**

· **Results of PBT and vPvB assessment:** Not applicable.

· **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system, water courses or the soil. SAFE STRIP liquid is not considered a RCRA regulated substance. Soils removed during cleaning may affect the hazard classification of your waste stream. If your waste stream remains non-hazardous (you need to check), the waste may be disposed of like used oil (in most states). Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal. Please call us if you need additional disposal information.

- **Packaging:** Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn or use cutting torch on empty drum. Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material

- **UN proper shipping name**

- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material

- **Transport hazard class(es)**

- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Non-Regulated Material

- **Packing group**

- **DOT, ADR, IMDG, IATA** Non-Regulated Material

- **Environmental hazards:** Not applicable.

- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73178 and the IBC Code** Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Sara**

- **Section 311/312:**

Based upon available information this material is classified as the following health and/or physical hazards according to Section 311 & 312: Immediate (Acute) health hazard. Fire Hazard

- **Section 313:** This product contains the following chemicals subject to the reporting requirements of SARA Title III, Section 313 and 40 CFR 372

872-50-4 N-methyl-2-pyrrolidone (NMP) Reporting Threshold: 1.0%

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• **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

• **California Proposition 65**

• **Chemicals known to cause cancer:**

None of the ingredients are listed.

• **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

• **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

• **Chemicals known to cause developmental toxicity:**

872-50-4 N-methyl-2-pyrrolidone (NMP)

• **Carcinogenic categories**

• **EPA (Environmental Protection Agency)**

None of the ingredients are listed.

• **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients are listed.

• **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

• **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

• **Hazard pictograms**



GHS07 GHS08

• **Signal word** Danger

• **Hazard-determining components of labeling:**

N-methyl-2-pyrrolidone (NMP)

Di(propylene glycol) dimethyl ether, mixture of isomers

• **Hazard statements**

Combustible liquid.

Causes skin irritation.

Causes serious eye irritation.

May damage fertility or the unborn child.

May cause respiratory irritation.

May cause drowsiness or dizziness.

• **Precautionary statements**

Keep away from flames and hot surfaces. – No smoking.

Avoid breathing dust, fume, gas, mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/eye protection/face protection.

Wear protective gloves.

Wear eye protection / face protection.

Wash thoroughly after handling.

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Trade name: SAFE STRIP

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.

• **National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

• **State Right to Know**

CAS: 872-50-4	N-methyl-2-pyrrolidone (NMP)	80-90%
RTECS: UY 5790000	Repr. 18, H360; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; H336	
CAS: 111109-77-4	Dipropylene glycol dimethyl ether	10-20%
	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335; Flam. Liq. 4, H227	

All ingredients are listed.

• **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

Ecolink, Inc. believes the information contained herein is accurate. However, Ecolink makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained by the use thereof. Ecolink, Inc. assumes no responsibility for injury from the use of the product described herein.

• **Date of preparation, last revision** 6/25/2023 / 05/02/2024

• **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 Flam. Liq. 4: Flammable liquids, Hazard Category 4
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
 Repr. 1B: Reproductive toxicity, Hazard Category 1B
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3