

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

Issue date 10/09/2018

Reviewed on 10/09/2018

1 Identification

- · Product Identifier
- · Trade Name: SAFE STRIP
- Product Number: Ecolink SS
- · Relevant identified uses of the substance or mixture and uses advised against: Paint & Resin Solvent · Product Description:

SAFE STRIP is an environmentally preferred paint and resin solvent. This product effectively replaces methylene chloride, toluene, benzene and other hazardous solvents traditionally used for paint clean up and paint removal. It has a much lower Inhalation Hazard Index than Meth or MEK, making it a safer chemical to use in commercial and industrial applications.

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
• Application of the substance / the mixture: Paint & Resin Solvent			

· Details of the Supplier of the Safety Data Sheet:

· Manufacturer/Supplier: Ecolink 2177A Flintstone Drive Tucker, GA 30084 www.ecolink.com 800-886-8240 or 770-621-8240 (8-5 EST)

· 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:



Health hazard

Repr. 1A

H360 May damage fertility or the unborn child.

Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

Flam. Liq. 4 H227 Combustible liquid.

· Label elements:

· GHS label elements

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

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email: info@ecolink.com



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Trade Name: SAFE STRIP

· Hazard pictograms:



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• Signal word: Da	Inger		
· Hazard-determining components of labeling:			
N-methyl-2-pyrro	lidone (NMP)		
Di(propylene glyc	col) dimethyl ether, mixture of isomers		
Hazard stateme	nts:		
H227 Combustib	le liquid.		
H315 Causes ski			
H319 Causes se	rious eye irritation.		
	ge fertility or the unborn child.		
	respiratory irritation.		
· Precautionary s			
P201	Obtain special instructions before use.		
P202	Do not handle until all safety precautions have been read and understood.		
P210	Keep away from flames and hot surfaces. – No smoking.		
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.		
P264	Wash thoroughly after handling.		
P271	Use only outdoors or in a well-ventilated area.		
P280	Wear protective gloves/protective clothing/eye protection/face protection.		
P302+P352	If on skin: Wash with plenty of water.		
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.		
P305+P351+P33	88 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if		
	present and easy to do. Continue rinsing.		
P308+P313	IF exposed or concerned: Get medical advice/attention.		
P312	Call a poison center/doctor if you feel unwell.		
P321	Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).		
P362+P364	Take off contaminated clothing and wash it before reuse.		
P332+P313	If skin irritation occurs: Get medical advice/attention.		
P337+P313	If eye irritation persists: Get medical advice/attention.		
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.		
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.		
 Unknown acute 	toxicity:		

Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

- 15 % of the mixture consists of component(s) of unknown toxicity.
- · Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

• NFPA ratings (scale 0 - 4)



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· HMIS-ratings (scale 0 - 4)

HEALTH*2FIRE2Fire2REACTIVITY0Physical Hazard = 0

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

3 Composition/Information on Ingredients

· Chemical characterization: Mixtures

· Description: Mixture of substances listed below with non-hazardous additions.

· Dangerous Components:

Dungereue compenenter	
CAS: 872-50-4 N-methyl-2-pyrrolidone (NMP)	≥85%
RTECS: UY 5790000 H335 H335	H315; Eye Irrit. 2A, H319; STOT SE 3,
CAS: 111109-77-4 Di(propylene glycol) dimethyl ether Skin Irrit. 2, H315; Eye Irrit. 2A, H227	, mixture of isomers 15-35% H319; STOT SE 3, H335; Flam. Liq. 4,

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

· Description of first aid measures

· General information:

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

· After inhalation:

In case of symptoms arising from inhalation of fumes, mists or vapour: Remove casualty to a quiet and well ventilated place if safe to so so. If the casualty is unconscious and not breathing, ensure that there is no obstruction to air passage ways and give artificial respiration by trained personnel. If necessary, give external cardiac massage and obtain immediate medical assistance. If the casualty is breathing, place in a recovery position and administer oxygen by trained personnel if necessary. Seek medical attention if breathing remains difficult.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

• After eye contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

If easy to do so, remove contact lenses if worn.

If eye irritation occurs, consult a doctor.

Rinse opened eye for several minutes under running water.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomitting.

If vomiting does occur, repeat fluid administration

If symptoms develop and/or persist, seek medical attention.

· Information for doctor

• Most important symptoms and effects, both acute and delayed: No further relevant information available.



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• *Indication of any immediate medical attention and special treatment needed:* No further relevant information available.

5 Fire-Fighting Measures

- · Extinguishing media
- Suitable extinguishing agents: Regular foam, water fog, carbon dioxide or dry chemical.
- For safety reasons unsuitable extinguishing agents: No further relevant information.
- · Special hazards arising from the substance or mixture:

Combustible liquid. Vapors can travel to a source of ignition and flash back.

Explosive mixtures may occur at temperatures at or above flashpoint.

If incinerated product will release the following toxic fumes: Carbon Oxides and Nitrogen Oxides.

- · Advice for firefighters Use water spray to cool unopened containers.
- Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

• Personal precautions, protective equipment and emergency procedures:

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: Do not allow to enter sewers/surface or ground water.

• *Methods and material for containment and cleaning up:*

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

• Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Therefore Action officing for officing as	
· PAC-1:	
872-50-4 N-methyl-2-pyrrolidone (NMP)	30 ppm
· PAC-2:	
872-50-4 N-methyl-2-pyrrolidone (NMP)	32 ppm
· PAC-3:	
872-50-4 N-methyl-2-pyrrolidone (NMP)	190 ppm

7 Handling and Storage

· Handling

· Precautions for safe handling:

Avoid contact with skin, eyes and clothing

Keep away from sources of ignition.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Keep receptacles tightly sealed.



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- Information about protection against explosions and fires: Do not spray on a naked flame or any incandescent material. Keep protective respiratory device available.
- Conditions for safe storage, including any incompatibilities Store away from strong acids, strong bases, strong oxidizing agents and strong reducing agents.
- · Storage
- · Requirements to be met by storerooms and receptacles: Store in a well ventilated place. Store in a cool, dry place away from sparks and flame. Do not store in direct sunlight.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- · Specific end use(s): No further relevant information available.

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.

Components with occupational exposure limits:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known 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, after three consecutive days 5-Hydroxy-N-methyl-2-pyrrolidone OSHA: biomarker for possible worker exposure

· Additional information: The lists that were valid during the creation of this SDS were used as basis.

· Exposure controls:

· 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.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· Breathing equipment:

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air. (Contd. on page 6)

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· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

• Eye protection:



Tightly sealed goggles

• Body protection:



Protective work clothing

9 Physical and Chemical Properties

- · Information on basic physical and chemical properties
- · General Information

•	A	рре	eara	nce:	

- Form:
- Color: • Odour:
- · Odor threshold:
- · pH-value:
- Change in condition Melting point/Melting range: Boiling point/Boiling range:
- · Flash point:
- · Flammability (solid, gaseous):
- · Ignition temperature:
- · Decomposition temperature:

Liquid Colorless to light yellow Mild, sweet Not determined. Not determined.

Not determined. ≥175 ℃ (≥347 ℉) 88 ℃ (190.4 ℉) Not applicable. ≥270 ℃ (≥518 ℉) Not determined.

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· Auto igniting:	Product is not self-igniting.
· Danger of explosion:	Not determined.
· Explosion limits: Lower: Upper:	1.3 Vol % 9.5 Vol %
· Vapor pressure @ 20 °C (68 °F):	≤0.3 hPa (≤0.2 mm Hg)
· Density @ 20 °C (68 °F): · Relative density: · Vapor density @ 20 °C (68 °F): · Evaporation rate @ 20 °C (68 °F):	1.0074 g/cm ³ (8.4068 lbs/gal) Not determined. 3.0 g/cm ³ (25.035 lbs/gal) (air=1) 0.03 (nBuAc=1)
 Solubility in / Miscibility with: Water: 	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water)	: Not determined.
· Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
 Solvent content: Organic solvents: VOC content: 	85.0 % 85.00 %
Solids content: • Other information:	0.0 % No further relevant information available.

10 Stability and Reactivity

- · *Reactivity:* No further relevant information available.
- · Chemical stability: Stable under normal conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions: No dangerous reactions known.
- · Conditions to avoid:

Elevated temperatures; decomposes with heat. Sources of ignition such as sparks, hot spots, welding, flames. • *Incompatible materials:* Strong acids, strong bases, strong oxidizing agents and strong reducing agents.

• *Hazardous decomposition products:* Carbon Oxides and Nitrogen Oxides (NOx).

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 3,914 mg/kg (Rat)
- Dermal LD50 8,000 mg/kg (Rabbit)
- · Primary irritant effect:
- On the skin: Irritant to skin and mucous membranes.
- · On the eye: Irritating effect.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:



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Irritant

- · Carcinogenic categories:
- · IARC (International Agency for Research on Cancer):

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.

12 Ecological Information

- Toxicity:
- · Aquatic toxicity:

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

- EC50 1.23-1.5 mg/l (Water flea)
- · Persistence and degradability: No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- · Mobility in soil: No further relevant information available.
- · Additional ecological information:
- · General notes:

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

- · Results of PBT and vPvB assessment:
- · PBT: Not applicable.
- *vPvB:* Not applicable.
- · Other adverse effects: No further relevant information available.

13 Disposal Considerations

- · Waste treatment methods
- · Recommendation:

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). Please call us if you need additional disposal information.

· Uncleaned packaging

· Recommendation: Dispose of as unused product.

14 Transport Information

- · UN-Number:
- · DOT, ADR/ADN, ADN, IMDG, IATA
- UN proper shipping name:
- · DOT, ADR/ADN, ADN, IMDG, IATA
- Transport hazard class(es):
- · DOT, ADR/ADN, ADN, IMDG, IATA

· Class:

Non-Regulated Material

Non-Regulated Material

Non-Regulated Material



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Trade	Name:	SAFE	STRIP
naue	name.		51111

	 Packing group: DOT, ADR/ADN, IMDG, IATA Environmental hazards: Special precautions for user: Transport in bulk according to Annex II or 		
	MARPOL73/78 and the IBC Code: • UN "Model Regulation":	Not applicable. Non-Regulated Material	
* 15	Regulatory Information		
	· Safety, health and environmental regulati · SARA (Superfund Amendments and Reau	ons/legislation specific for the substance or mixture: Ithorization):	
	 Section 355 (extremely hazardous substa 	nces):	
	None of the ingredients are listed.		
	Section 313 (Specific toxic chemical listin	ngs):	
	872-50-4 N-methyl-2-pyrrolidone (NMP)		
	• TSCA (Toxic Substances Control Act):		
	All ingredients are listed or exempt from listing	ng.	
	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 t	toxicity for males:	
	None of the ingredients are listed.		
	· Chemicals known to cause developmenta	al toxicity:	
	872-50-4 N-methyl-2-pyrrolidone (NMP)		
	· New Jersey Right-to-Know List:		
	872-50-4 N-methyl-2-pyrrolidone (NMP)		
	New Jersey Special Hazardous Substance	e List:	
	872-50-4 N-methyl-2-pyrrolidone (NMP)		TE, F2
	· Pennsylvania Right-to-Know List:		
	872-50-4 N-methyl-2-pyrrolidone (NMP)		
	Pennsylvania Special Hazardous Substan	nce List:	
	None of the ingredients are listed.		
	· Carcinogenic categories:		
	• EPA (Environmental Protection Agency):		
	None of the ingredients are listed.		
	• TLV (Threshold Limit Value established b	y ACGIH):	
	None of the ingredients are listed.		
	· NIOSH-Ca (National Institute for Occupati	ional 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).



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· Hazard pictograms:



 Signal word: Dar 	nger			
 Hazard-determining components of labeling: N-methyl-2-pyrrolidone (NMP) 				
Di(propylene glyce	Di(propylene glycol) dimethyl ether, mixture of isomers			
 Hazard statemer 	nts:			
H227 Combustible	e liquid.			
H315 Causes skir	H315 Causes skin irritation.			
H319 Causes ser	H319 Causes serious eye irritation.			
H360 May damag	e fertility or the unborn child.			
H335 May cause	respiratory irritation.			
 Precautionary st 	atements:			
P201	Obtain special instructions before use.			
P202	Do not handle until all safety precautions have been read and understood.			
P210	Keep away from flames and hot surfaces. – No smoking.			
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.			
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P302+P352	If on skin: Wash with plenty of water.			
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.			
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	present and easy to do. Continue rinsing.			
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P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.			
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.			
 National regulation 	ions:			

National regulations:

None of the 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.

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· 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) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety and Health OSHA: Occupational Safety & Health Administration TLV: Threshold Limit Value PEL: Permissible Exposure Limit **REL: Recommended Exposure Limit** BEI: Biological Exposure Limit Flam. Liq. 4: Flammable liquids – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Repr. 1A: Reproductive toxicity – Category 1A Repr. 1B: Reproductive toxicity – Category 1B STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 * Data compared to the previous version altered. SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106

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