



# SafetyData Sheet

Revision Date: 12/3/2014

## TECHNICAL ASSISTANCE CORPORATION

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	<b>Safe Strip</b>
Product Code:	VMCSStrip
Product Use:	Stripper/coating remover
Manufacturer:	<b>Mar-Tek Industries</b>
Address:	301 Industrial Drive, Forney Texas 75126
Phone:	(214) 350-9401
Emergency Telephone Number:	ChemTel Inc. (800) 255-3924 and +I(813) 248-0585

### SECTION 2: Hazards Identification

#### Classification of substance and mixtures:

GHS classification:	Flammable liquid	Category 4
	Eye damage and irritation	Category 2
	Reproductive toxicity	Category 2A

Signal word: **WARNING!**

Pictogram



#### GHS Label elements, including hazard and precautionary statements:

Hazard statements:	H227	Combustible liquid
	H319	Causes serious eye irritation
	H361	Suspected of damaging fertility or the unborn child
<u>Precautionary statements:</u>		
Prevention:	P210	Keep away from flames and hot surfaces-No smoking.
	P280	Wear protective gloves, eye and face protection.
	P264	Wash skin or hands thoroughly after handling
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
Response:	P281	Use personal protective equipment as required.
	P370+378	In case of fire: (refer SECTION5)
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337+313	If eye irritation persists: Get medical advice/attention.
	P308+313	If exposed or concerned: Get medical advice/attention.
Storage:	P403+235	Store in a well-ventilated place. Keep cool.
	P405	Store locked up.
Disposal:	P501	Dispose contents/containers in accordance to local, regional, national, international regulations.

Supplemental hazard statements: None

**SECTION 3: Composition/Information on Ingredients**

Chemical Name: N-methyl-2-pyrrolidone  
Common Names: NMP  
CAS No.: 872-50-4  
Content (w/w): 20-30%  
Other non hazardous components 70-80%

**SECTION 4: First aid measure****Description of first aid measures:**

*General Advise: Consult physician. Show this safety data sheet to the doctor in attendance.*

**If inhaled:** Move casualty to fresh air and keep at rest. Get prompt medical attention.

**In case of skin contact:** Remove contaminated clothes. Rinse skin with plenty of water or shower.

**In case of eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**If swallowed:** Rinse mouth. Do NOT induce vomiting. Refer for medical attention.

**SECTION 5: Fire-fighting measures****Extinguishing media:**

**Suitable extinguishing media:** Foam, dry powder, carbon dioxide, water spray, sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

**Surrounding fire:** Use water spray or fog for cooling exposed containers.

**Special protective measure:** Do not enter fire area without proper equipment, including respiratory protection.

**Further information:** Exercise caution when fighting any chemical fire. Avoid fire fighting water enter environment.

**Specific hazards arising from the chemical:** Under fire condition hazardous fumes will be present.

**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

**Environmental precautions:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers or ditches that lead to waterways.

**Methods and materials for containment and cleaning up:** Prevent enter to sewers and public water. Notify authorities if product enters sewers or public water.

**SECTION 7: Handling and storage**

**Precaution for safe handling:** Wash thoroughly after handling. Obtain special instructions before use. Use only outdoors or in a well-ventilated area. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust, fume, gas, mist, vapours, spray.

**Conditions for safe storage, including any incompatibilities:** Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Store away from strong bases, strong acids, sources of ignition and direct sunlight.

**SECTION 8: Exposure controls/personal protection**

**Engineering controls:** Use explosion-proof ventilation equipment. Facilities storing or using the material should be equipped with eye wash station and safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below permissible exposure limit.

**Occupational exposure limit:** Not established.

**Personal protective equipment**

**Eye protection:** Where eye contact is likely, wear chemical goggles; contact lens use is not recommended

**Skin protection:** Where skin contact is likely, use chemical resistant gloves; use of natural rubber or equivalent gloves is not recommended.

**Respiratory protection:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Personal hygiene:** Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating and drinking.

#### SECTION 9: Physical and chemical properties

##### Appearance

Physical state: Clear colorless liquid

Color: Clear to straw-like

Odor: Amine-like, mild odor

Odor threshold: Not available

pH: 8-9

Melting point/freezing point: Not available

Initial boiling point/boiling range: 100°C

Flash point: 212 °F or 100°C

Evaporation rate: Not available

Flammability (solid, gas)

Upper/Lower flammability or explosive limits

Flammability limit-lower (%): Not available

Flammability limit-upper (%): Not available

Vapor pressure: 0.2mmHg (20°C)

Vapor density: Not available

Solubility (ies): Not available

Specific gravity: 1.87

Partition coefficient

(n-octanol/water): Not available

Auto-ignition temperature: 370°C

Decomposition temperature: Not available

#### SECTION 10: Stability and reactivity

**Chemical stability:** Stable under ordinary conditions of use and storage.

Possibility of hazardous reactions: Not established.

**Condition to avoid:** Direct sunlight, extremely high or low temperature, and ignition sources.

**Incompatible materials:** Strong oxidants and acids. React with chlorinating agents to form the amide. Reacts with sulfur and carbon disulfide at high temperatures and pressures.

**Hazardous decomposition:** Burning may produce carbon monoxide, carbon dioxide and nitrogen oxide.

#### SECTION 11: Toxicological information

##### Acute toxicity:

Oral rat LD50: 3,914mg/kg

Dermal rabbit LD50: 8,000mg/kg

Inhalation LD50: 4h >5100ppm

##### *Sign and symptoms of exposure:*

**Skin:** Mild irritant may cause some discomfort if in contact with the skin several hours.

**Eyes:** Cause irritation, redness and pain. May be possible corneal clouding.

**Respiratory:** Mild irritant if vapor or mist from heated solvent is inhaled. Coughing, possible breathing difficulties may be observed.

**Ingestion:** Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea.

**Chronic toxicity:** Minor skin irritation on repeated contact

**Teratogenicity:** Proposition 65 maximum allowable dose level for developmental toxicity for NMP is 3200ug/day for the inhalation route and 17.00 ug/day for the dermal route.

**Mutagenicity:** Possible effect observed.

**Reproductive:** Possible effect observed.

**Embryotoxicity:** May damage the unborn child

**Specific target organ toxicity:** Skin and eyes

**Carcinogenicity:** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH  
 NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.  
 OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**SECTION 12: Ecological information**

**Ecotoxicity:** LC50 90 hrs values for fish are over 100mg/L  
**Persistence and degradability:** Biodegradable  
**Bioaccumulative potentials:** This material is not expected to significantly bioaccumulate.  
**Mobility in soil:** Not established.  
**Results of PBT and vPvB assessment:** The substance does not fulfill the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH. Environmental precaution: Avoid release to environment

**SECTION 13: Disposal consideration**

**Disposal:** Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Personal protection: filter respirator for organic gases and vapours. Dispose in accordance to local, regional, national and international regulation.

**SECTION 14: Transportation information**

US Department Of Transportation  
 Shipping Name: Not regulated  
 Hazard Class: Not regulated  
 UN Number: Not regulated  
 Packaging Group: Not regulated

**SECTION 15: Regulatory information**

<u>Components</u>	<u>Regulatory Information</u>
N-Methyl-2-pyrrolidone	Listed (TSCA) Listed (SARA312 and 313 Acute) Listed (California Proposition65) Listed (Pennsylvania) Listed (Minnesota) Listed (Massachusetts) Listed (New Jersey)

**SECTION 16: Other information**

Revision Date: 12/3/2014  
 Revision was made in sections: General revision

NFPA Ratings							
Health	2	Flammability	2	Reactivity	0	Specific Hazard	N/A
HMIS Ratings							
Health	2	Flammability	2	Reactivity	0	Personal Protection	J

Disclaimer: Mar-Tek industries provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This documentation is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

-----END OF SDS-----