

## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

### 1 Identification

- **Product Identifier**
- **Trade name: NuStrip RH**
- **Product Number: ng-NSRH**
- **Relevant identified uses of the substance or mixture and uses advised against:**  
Zero-VOC, multi-metal stripper/de-bonder. Use as directed by manufacturer. See product Technical Data Sheet for use instructions.
- **Product Description**  
Zero-VOC stripper/de-bonder that effectively removes resins, paints, synthetic finishes, vinyl, baked acrylics, epoxies, polyurethanes, alkyds, polyesters, melamines, particles, greases and oils from ferrous and non-ferrous alloys, including Aluminum, Zinc, Tin, Copper, and their alloys such as Brass and Bronze.
- **Application of the substance / the mixture:** Industry-specific application.
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
NuGeneration Technologies, LLC (dba NuGenTec)  
1155 Park Avenue, Emeryville, CA 94608  
salesteam@nugentec.com www.nugentec.com  
1-888-996-8436 or 1-707-820-4080 for product information
- **Emergency telephone number:**  
PERS Emergency Response: Domestic and Canada - 1-800-633-8253, International 1-801-629-0667

### 2 Hazard(s) Identification

- **Classification of the substance or mixture:**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS08 Health hazard

Repr. 1 H360 May damage fertility or the unborn child.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

- **Label elements:**

- **GHS label elements**

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

(Contd. on page 2)

## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

· **Hazard pictograms:**



GHS02 GHS07 GHS08

· **Signal word: Danger**

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

*N*-methyl-2-pyrrolidone (NMP)

Proprietary Solvent 2

· **Hazard statements:**

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

H335 May cause respiratory irritation.

· **Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / eye protection / face protection.

P280 Wear protective gloves.

P280 Wear eye protection / face protection.

P240 Ground/bond container and receiving equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash thoroughly after handling.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P308+P313 IF exposed or concerned: Get medical advice/attention.

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: CO<sub>2</sub>, powder or water spray.

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

(Contd. on page 3)

US

## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values. 7 % 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)**



Health = 2  
Fire = 2  
Reactivity = 0

• **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 non-hazardous additions.

• **Dangerous Components:**

|                                    |   |        |
|------------------------------------|---|--------|
| CAS: 872-50-4<br>RTECS: UY 5790000 | N-methyl-2-pyrrolidone (NMP)<br>⚠ Repr. 1B, H360; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335 | 70-90% |
|                                    | Proprietary Solvent 1<br>⚠ Flam. Liq. 2, H225   | 5-10%  |
|                                    | Proprietary Solvent 2<br>⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320                          | 5-10%  |
|                                    | Proprietary Solvent 3<br>⚠ Skin Irrit. 2, H315; Flam. Liq. 4, H227; Eye Irrit. 2B, H320                       | ≤ 2.5% |
|                                    | Proprietary Solvent 4<br>⚠ Acute Tox. 4, H302   | ≤ 2.5% |

• **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:**

• **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.

(Contd. on page 4)

## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

- **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.*
- **After swallowing:**  
*Rinse out mouth and then drink plenty of water.  
Do not induce vomiting without medical advice.  
If vomiting does occur, repeat fluid administration  
If swallowed and symptoms occur, consult a doctor.*
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:**  
*No further relevant information available.*
- **Indication of any immediate medical attention and special treatment needed:**  
*No further relevant information available.*

### 5 Fire-Fighting Measures

- **Extinguishing media:**
- **Suitable extinguishing agents:**  
*CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*
- **For safety reasons unsuitable extinguishing agents:** *Water with full jet*
- **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.*
- **Advice for firefighters:**
- **Protective equipment:**  
*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:**  
*Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation.  
Keep people at a distance and stay upwind.  
Keep away from ignition sources  
Avoid contact with skin, eyes and clothing.  
Do not breathe vapor.*
- **Environmental precautions:**  
*Dilute with plenty of water.  
Do not allow to enter sewers/surface or ground water.*
- **Methods and material for containment and cleaning up:**  
*Absorb with liquid-binding material (ie. sand, diatomite, universal binders), do NOT use sawdust.  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.  
Dispose of the collected material according to regulations.*

(Contd. on page 5)

US

## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

- **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.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

|          |                              |          |
|----------|------------------------------|----------|
| 872-50-4 | N-methyl-2-pyrrolidone (NMP) | 30 ppm   |
|          | Proprietary Solvent 1        | 600 ppm  |
|          | Proprietary Solvent 3        | 2.5 ppm  |
|          | Proprietary Surfactant       | 43 mg/m3 |

· **PAC-2:**

|          |                              |           |
|----------|------------------------------|-----------|
| 872-50-4 | N-methyl-2-pyrrolidone (NMP) | 32 ppm    |
|          | Proprietary Solvent 1        | 1,700 ppm |
|          | Proprietary Solvent 3        | 28 ppm    |
|          | Proprietary Surfactant       | 470 mg/m3 |

· **PAC-3:**

|          |                              |             |
|----------|------------------------------|-------------|
| 872-50-4 | N-methyl-2-pyrrolidone (NMP) | 190 ppm     |
|          | Proprietary Solvent 1        | 10,000 ppm  |
|          | Proprietary Solvent 3        | 170 ppm     |
|          | Proprietary Surfactant       | 5,400 mg/m3 |

### 7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**  
 Ensure good ventilation/exhaustion at the workplace.  
 Open and handle receptacle with care.  
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
 Keep ignition sources away - Do not smoke.  
 Protect from heat.  
 Protect against electrostatic charges.  
 Keep protective respiratory device available.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
 Keep receptacle tightly sealed.  
 Protect from heat and direct sunlight.
- **Specific end use(s):** No further relevant information available.

US

(Contd. on page 6)

## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

Trade name: NuStrip RH

### 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 local exhaust at filling zones and where leakage and dust formation is probable. 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 constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
At this time, the other constituents have no known exposure limits.

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

|      |                                 |
|------|---------------------------------|
| WEEL | Long-term value: 10 ppm<br>Skin |
|------|---------------------------------|

#### Proprietary Solvent 1

|     |  |
|-----|--|
| PEL | Long-term value: 950 mg/m <sup>3</sup> , 200 ppm   |
| REL | Long-term value: 950 mg/m <sup>3</sup> , 200 ppm   |
| TLV | Short-term value: 712 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 238 mg/m <sup>3</sup> , 50 ppm |

- **Ingredients with biological limit values:**

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

|     |   |
|-----|---|
| BEI | 100 mg/L<br>urine<br>end of shift, after three consecutive days<br>5-Hydroxy-N-methyl-2-pyrrolidone<br>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:**



Suitable respiratory protective device recommended.

(Contd. on page 7)

US

## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

· **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. 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**

· **Appearance:**

**Form:** Liquid  
**Color:** Light yellow  
**Odor:** Fruity  
**Odor threshold:** Not determined.

· **pH-value @ 20 °C (68 °F):** 10.5

· **Change in condition**

**Melting point/Melting range:** Not determined.  
**Boiling point/Boiling range:** 93 °C (199 °F)

· **Flash point:** 38 °C (100 °F)

· **Flammability (solid, gaseous):** Flammable.

· **Ignition temperature:** 270 °C (518 °F)

(Contd. on page 8)

## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- **Explosion limits:**
  - Lower:** 1.3 Vol %
  - Upper:** 9.5 Vol %
- **Vapor pressure @ 20 °C (68 °F):** 41 hPa (31 mm Hg)
- **Density @ 20 °C (68 °F):** 1.016 g/cm<sup>3</sup> (8.479 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
  - Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - Organic solvents:** 89.5 %
  - VOC content:** 0 g/l (EPA Method 24/ASTM D-3960)
- **Other information:** 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:** Heat, flame and ignition sources.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 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 | 3914 mg/kg (rat) |
|------|------|------------------|

(Contd. on page 9)



## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

|                              |      |                      |
|------------------------------|------|----------------------|
| Dermal                       | LD50 | 8000 mg/kg (rabbit)  |
| <b>Proprietary Solvent 1</b> |      |                      |
| Oral                         | LD50 | 4100 mg/kg (rat)     |
| Dermal                       | LD50 | >2000 mg/kg (rabbit) |
| <b>Proprietary Solvent 3</b> |      |                      |
| Oral                         | LD50 | >5000 mg/kg (rat)    |
| Dermal                       | LD50 | >5000 mg/kg (rabbit) |
| <b>Proprietary Solvent 4</b> |      |                      |
| Oral                         | LD50 | 1920 mg/kg (rat)     |

• **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:

Irritant

• **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.

### 12 Ecological Information

• **Toxicity:**

• **Aquatic toxicity:**

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

EC50 1.23-1.50 mg/l (Water flea)

**Proprietary Solvent 1**

EC50 350 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.

(Contd. on page 10)

## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

- **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:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packagings**
- **Recommendation:**  
Disposal must be made according to official regulations.  
Dispose of as unused product.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport Information

- **UN-Number:**
- **DOT** NA1993
- **ADR, IMDG, IATA** UN1993
- **UN proper shipping name:**
- **DOT** COMBUSTIBLE LIQUID, N.O.S
- **ADR** UN1993 Flammable liquids, n.o.s.
- **IMDG, IATA** FLAMMABLE LIQUID, N.O.S.
- **Transport hazard class(es):**
- **DOT**



- **Class:** 3 Combustible liquids
- **Label:** 3

· **ADR**



- **Class:** 3 (F1) Flammable liquids

(Contd. on page 11)

## Safety Data Sheet (SDS)

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


Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

- **Label:** 3

---

- **IMDG, IATA**
- 
- **Class:** 3 Flammable liquids
- **Label:** 3
- **Packing group:** III
- **DOT, ADR, IMDG, IATA** III
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Warning: Flammable liquids
- **Danger code (Kemler):** 30
- **EMS Number:** F-E,S-E
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **Transport/Additional information:**

---

- **ADR**
- **Excepted quantities (EQ):** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUIDS, N.O.S., 3, III

### 15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**
- **Section 355 (extremely hazardous substances):**  
None of the ingredients are listed.
- **Section 313 (Specific toxic chemical listings):**  
872-50-4 N-methyl-2-pyrrolidone (NMP)
- **TSCA (Toxic Substances Control Act):**  
All ingredients are listed or exempt from listing.
- **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)

(Contd. on page 12)

## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

|   |                              |        |
|---|------------------------------|--------|
| <b>· New Jersey Right-to-Know List:</b>                 |                              |        |
| 872-50-4  | N-methyl-2-pyrrolidone (NMP) |        |
|   | Proprietary Solvent 1        |        |
| <b>· New Jersey Special Hazardous Substance List:</b>   |                              |        |
| 872-50-4  | N-methyl-2-pyrrolidone (NMP) | TE, F2 |
|   | Proprietary Solvent 1        | F3     |
| <b>· Pennsylvania Right-to-Know List:</b>               |                              |        |
| 872-50-4  | N-methyl-2-pyrrolidone (NMP) |        |
|   | Proprietary Solvent 1        |        |
| <b>· Pennsylvania Special Hazardous Substance List:</b> |                              |        |
|   | Proprietary Solvent 1        | E      |

**· Carcinogenic categories:**

|   |
|---|
| <b>· EPA (Environmental Protection Agency):</b> |
| 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:**



GHS02   GHS07   GHS08

**· Signal word: Danger**

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

N-methyl-2-pyrrolidone (NMP)

Proprietary Solvent 2

**· Hazard statements:**

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

H335 May cause respiratory irritation.

**· Precautionary statements:**

P210                      Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P241                      Use explosion-proof electrical/ventilating/lighting/equipment.

P261                      Avoid breathing dust/fume/gas/mist/vapors/spray.

P271                      Use only outdoors or in a well-ventilated area.

P280                      Wear protective gloves / eye protection / face protection.

P280                      Wear protective gloves.

(Contd. on page 13)

## Safety Data Sheet (SDS)

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

Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

|                |  |
|----------------|--|
| P280           | Wear eye protection / face protection.   |
| P240           | Ground/bond container and receiving equipment.   |
| P242           | Use only non-sparking tools.   |
| P243           | Take precautionary measures against static discharge.  |
| P264           | Wash thoroughly after handling.  |
| P201           | Obtain special instructions before use.  |
| P202           | Do not handle until all safety precautions have been read and understood.  |
| P303+P361+P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.                              |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P321           | Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).   |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P312           | Call a POISON CENTER/doctor if you feel unwell.  |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.   |
| 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: CO <sub>2</sub> , powder or water spray.  |
| P302+P352      | IF ON SKIN: Wash with plenty of water.   |
| P362+P364      | Take off contaminated clothing and wash it before reuse.   |
| P405           | Store locked up.   |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.   |
| P403+P235      | Store in a well-ventilated place. Keep cool.   |
| P501           | Dispose of contents/container in accordance with local/regional/national/international regulations.                              |

**· National regulations:**

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

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

### 16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision:** 09/22/2016 / -

· **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)

(Contd. on page 14)

**Safety Data Sheet (SDS)**

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

Issue date 09/22/2016

Reviewed on 09/22/2016

**Trade name: NuStrip RH**

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  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
BEI: Biological Exposure Limit  
Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Liq. 3: Flammable liquids – Category 3  
Flam. Liq. 4: Flammable liquids – Category 4  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B  
Repr. 1: Reproductive toxicity – Category 1  
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](http://www.msdsauthoring.com) +1-877-204-9106