



## SAFETY DATA SHEET

P-NSL1

### Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : P-NSL1

Other means of identification : NON-IONIC SURFACTANT LIQUID

Recommended use : SURFACTANT

Restrictions on use : Refer to available product literature or ask your local Sales Representative for restrictions on use and dose limits.

Company : PETROCHEM USA, INC.  
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Emergency telephone number : (800) 424-9300 (24 Hours) CHEMTREC

Issuing date : 01/10/2015

### Section: 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 3

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 4

Eye irritation : Category 2B

Specific target organ toxicity - single exposure : Category 1 (Eyes)

Specific target organ toxicity - single exposure : Category 2

#### GHS Label element

Hazard pictograms :



Signal Word :

Danger

Hazard Statements :

Flammable liquid and vapour.  
Harmful if swallowed or if inhaled  
Causes eye irritation.  
Causes damage to organs (Eyes).  
May cause damage to organs.

Precautionary Statements :

**Prevention:**  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe

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dust/fume/gas/mist/vapours/spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.

**Response:**

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed: Call a POISON CENTER or doctor/ physician. Rinse mouth. If eye irritation persists: Get medical advice/ attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:**

Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**Other hazards** : None known.

## Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

| Chemical Name | CAS-No. | Concentration: (%) |
|---------------|---------|--------------------|
| Methanol      | 67-56-1 | 10 - 30            |

## Section: 4. FIRST AID MEASURES

In case of eye contact : Rinse with plenty of water. Get medical attention if symptoms occur.

In case of skin contact : Wash off with soap and plenty of water. Get medical attention if symptoms occur.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention.

Protection of first-aiders : In event of emergency assess the danger before taking action. Do not put yourself at risk of injury. If in doubt, contact emergency responders. Use personal protective equipment as required.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

## Section: 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing : None known.

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media

- Specific hazards during firefighting : Fire Hazard  
Keep away from heat and sources of ignition.  
Flash back possible over considerable distance.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides
- Special protective equipment for firefighters : Use personal protective equipment.
- Specific extinguishing methods : Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

## Section: 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Remove all sources of ignition. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Flush away traces with water.

## Section: 7. HANDLING AND STORAGE

- Advice on safe handling : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Do not ingest. Keep away from fire, sparks and heated surfaces. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Use only with adequate ventilation.
- Conditions for safe storage : Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep container tightly closed. Store in suitable labeled containers.
- Suitable material : Keep in properly labelled containers.
- Unsuitable material : not determined

## Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

| Components | CAS-No. | Form of | Permissible | Basis |
|------------|---------|---------|-------------|-------|
|------------|---------|---------|-------------|-------|

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|          |         | exposure | concentration                    |           |
|----------|---------|----------|----------------------------------|-----------|
| Methanol | 67-56-1 | TWA      | 200 ppm                          | ACGIH     |
|          |         | STEL     | 250 ppm                          | ACGIH     |
|          |         | TWA      | 200 ppm<br>260 mg/m <sup>3</sup> | NIOSH REL |
|          |         | STEL     | 250 ppm<br>325 mg/m <sup>3</sup> | NIOSH REL |
|          |         | TWA      | 200 ppm<br>260 mg/m <sup>3</sup> | OSHA Z1   |

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

## Personal protective equipment

Eye protection : Safety glasses

Hand protection : Wear protective gloves.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Wear suitable protective clothing.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.  
Wash face, hands and any exposed skin thoroughly after handling.

## Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Colour : clear  
Odour : alcohol-like  
Flash point : 54 °C  
Method: Pensky-Martens closed cup

pH : 4.7 - 6.7, (undiluted)

Odour Threshold : no data available

Melting point/freezing point : pour point: -9.4 °C

Initial boiling point and boiling range : 89.4 °C

Evaporation rate : no data available

Flammability (solid, gas) : no data available

Upper explosion limit : no data available

Lower explosion limit Vapour : no data available

pressure : no data available

Relative vapour density : no data available

Relative density : 0.975 - 0.995 (20 °C)

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|  |                        |
|--|------------------------|
| Density                                | : no data available    |
| Water solubility                       | : soluble              |
| Solubility in other solvents           | : no data available    |
| Partition coefficient: n-octanol/water | : no data available    |
| Auto-ignition temperature              | : no data available    |
| Thermal decomposition temperature      | : no data available    |
| Viscosity, dynamic                     | : 1 - 10 mPa.s (24 °C) |
| Viscosity, kinematic VOC               | : no data available    |

### Section: 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Chemical stability                 | : Stable under normal conditions.  |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use.                  |
| Conditions to avoid                | : Heat, flames and sparks.   |
| Incompatible materials             | : Oxidizing agents   |
| Hazardous decomposition products   | : Decomposition products may include the following materials:<br>Carbon oxides |

### Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

#### Potential Health Effects

|                  |   |
|------------------|---|
| Eyes             | : Causes eye irritation.                                      |
| Skin             | : Health injuries are not known or expected under normal use. |
| Ingestion        | : May cause blindness if swallowed. Harmful if swallowed.     |
| Inhalation       | : Harmful if inhaled.   |
| Chronic Exposure | : May cause damage to organs.                                 |

#### Experience with human exposure

|              |                                  |
|--------------|----------------------------------|
| Eye contact  | : Redness, Irritation            |
| Skin contact | : No symptoms known or expected. |
| Ingestion    | : No information available.      |
| Inhalation   | : No information available.      |

#### Toxicity

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### Product

|                                   |   |
|-----------------------------------|---|
| Acute oral toxicity               | : Acute toxicity estimate : 999.81 mg/kg                  |
| Acute inhalation toxicity         | : Acute toxicity estimate : 7000 ppm (Exposure time: 4 h) |
| Acute dermal toxicity             | : Acute toxicity estimate : 3,000 mg/kg                   |
| Skin corrosion/irritation         | : no data available                                       |
| Serious eye damage/eye irritation | : no data available                                       |
| Respiratory or skin sensitization | : no data available                                       |
| Carcinogenicity                   | : no data available                                       |
| Reproductive effects              | : no data available                                       |
| Germ cell mutagenicity            | : no data available                                       |
| Teratogenicity                    | : no data available                                       |
| STOT - single exposure            | : no data available                                       |
| STOT - repeated exposure          | : no data available                                       |
| Aspiration toxicity               | : no data available                                       |

## Section: 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

Environmental Effects : Very toxic to aquatic life.

### **Components**

Toxicity to fish : Methanol  
LC50 : 15,400 mg/l  
Exposure time: 96 h

### **Components**

Toxicity to daphnia and other aquatic invertebrates : Methanol  
EC50 : > 10,000 mg/l  
Exposure time: 48 h

### **Components**

Toxicity to algae : Methanol  
EC50 : 22,000 mg/l  
Exposure time: 72 h

### **Components**

Toxicity to bacteria : Methanol

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> 1,000 mg/l

## Components

Toxicity to fish (Chronic toxicity) : Methanol  
NOEC: 7,900 mg/l  
Exposure time: 8.3 d

## Persistence and degradability

no data available

## Mobility

no data available

## Bioaccumulative potential

no data available

## Other information

no data available

## Section: 13. DISPOSAL CONSIDERATIONS

Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

### Land transport (DOT)

Proper shipping name FLAMMABLE LIQUID, N.O.S.  
Technical name(s) Methanol  
UN/ID No. UN 1993  
Transport hazard class(es) 3  
Packing group Reportable III  
Quantity (per package) 50,000 lbs  
RQ Component  
Methanol

### Air transport (IATA)

Proper shipping name FLAMMABLE LIQUID, N.O.S.  
Technical name(s) Methanol  
UN/ID No. UN 1993

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Transport hazard class(es) : 3  
Packing group : III  
Reportable Quantity (per package) : 50,000 lbs  
RQ Component : Methanol

## Sea transport (IMDG/IMO)

Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
Technical name(s) : Methanol  
UN/ID No. : UN 1993  
Transport hazard class(es) : 3  
Packing group : III

\*Marine pollutant : Quaternary ammonium compound

\*Note: This product is regulated as a Marine Pollutant when shipped by Rail, Highway (in bulk quantities), or Air (if no other hazard class applies), and when shipped by water in all quantities.

## Section: 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

| Components | CAS-No. | Component RQ (lbs) | Calculated product RQ (lbs) |
|------------|---------|--------------------|-----------------------------|
| Methanol   | 67-56-1 | 5000               | 50000                       |

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Fire Hazard  
Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:  
Methanol 67-56-1 10 - 30 %

#### California Prop 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Methanol

67-56-1

#### INTERNATIONAL CHEMICAL CONTROL LAWS :

#### TOXIC SUBSTANCES CONTROL ACT (TSCA)

The substances in this preparation are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710)

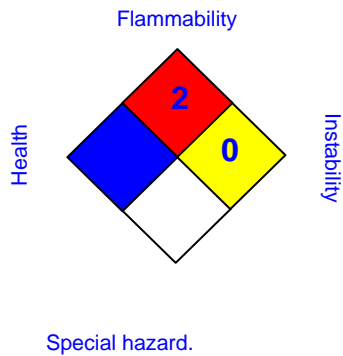
## Section: 16. OTHER INFORMATION



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## NFPA:



## HMIS III:

|                        |          |
|------------------------|----------|
|                        | 1        |
| <b>FLAMMABILITY</b>    | <b>2</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |

0 = not significant  
1 = Slight,  
2 = Moderate  
3 = High  
4 = Extreme  
\* = Chronic

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Prepared By : Regulatory Affairs

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