

**A00325 MST ALL PRPS SILICONE 16net11**

Version 3.0

Revision Date 08/31/2015

Print Date 10/14/2015

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Material name : A00325 MST ALL PRPS SILICONE 16net11

Material number : 000000000001002092

**Manufacturer or supplier's details**

Company : Zep Inc.

Address : 1310 Seaboard Industrial Blvd., NW  
Atlanta, GA 30318

Telephone : 404-352-1680

**Emergency telephone numbers****For SDS Information** : Compliance Services 1-877-428-9937**For a Medical Emergency** : 877-541-2016 Toll Free - All Calls Recorded**For a Transportation Emergency** : CHEMTREC: 800-424-9300 - All Calls Recorded.  
In the District of Columbia 202-483-7616**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

|            |                                    |
|------------|------------------------------------|
| Appearance | Aerosol containing a liquefied gas |
| Colour     | colourless                         |
| Odour      | characteristic                     |

**GHS Classification**Flammable aerosols : Category 1  
Gases under pressure : Liquefied gas  
Skin irritation : Category 2  
Eye irritation : Category 2B  
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)**GHS Label element**

Hazard pictograms :



Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.  
H280 Contains gas under pressure; may explode if heated.  
H315 + H320 Causes skin and eye irritation.  
H336 May cause drowsiness or dizziness.Precautionary statements : **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.  
P211 Do not spray on an open flame or other ignition source.

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P251 Pressurized container: Do not pierce or burn, even after use.

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

P264 Wash skin thoroughly after handling.

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

P280 Wear protective gloves.

**Response:**

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

P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

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

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

**Storage:**

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

P405 Store locked up.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Disposal:**

Dispose of contents/container in accordance with local regulation.

**Potential Health Effects****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 a carcinogen or potential carcinogen by ACGIH.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous components**

| Chemical Name                           | CAS-No.    | Concentration [%] |
|-----------------------------------------|------------|-------------------|
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | >= 30 - < 50      |
| cyclohexane                             | 110-82-7   | >= 10 - < 20      |

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|         |          |              |
|---------|----------|--------------|
| propane | 74-98-6  | >= 10 - < 20 |
| butane  | 106-97-8 | >= 10 - < 20 |
| heptane | 142-82-5 | >= 1 - < 5   |

**SECTION 4. FIRST AID MEASURES**

- General advice : Do not leave the victim unattended.  
Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.  
Get medical attention if irritation develops and persists.  
Wash contaminated clothing before re-use.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.  
Rinse immediately with plenty of water for at least 15 minutes.
- If swallowed : Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Water spray jet
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Smoke  
Silicon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Sweep up or vacuum up spillage and collect in suitable container for disposal.

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**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Avoid exposure - obtain special instructions before use.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.  
Do not breathe vapours or spray mist.  
Always replace cap after use.

Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
No smoking.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Keep in a dry, cool and well-ventilated place.  
Electrical installations / working materials must comply with the technological safety standards.

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Materials to avoid : Oxidizing agents

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

| Components  | CAS-No.  | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|-------------|----------|----------------------------------|---------------------------------------------------|-----------|
| cyclohexane | 110-82-7 | TWA                              | 100 ppm                                           | ACGIH     |
|             |          | TWA                              | 300 ppm<br>1,050 mg/m <sup>3</sup>                | NIOSH REL |
|             |          | TWA                              | 300 ppm<br>1,050 mg/m <sup>3</sup>                | OSHA Z-1  |
|             |          | TWA                              | 300 ppm<br>1,050 mg/m <sup>3</sup>                | OSHA P0   |
| propane     | 74-98-6  | TWA                              | 1,000 ppm                                         | ACGIH     |
|             |          | TWA                              | 1,000 ppm<br>1,800 mg/m <sup>3</sup>              | NIOSH REL |
|             |          | TWA                              | 1,000 ppm<br>1,800 mg/m <sup>3</sup>              | OSHA Z-1  |
|             |          | TWA                              | 1,000 ppm<br>1,800 mg/m <sup>3</sup>              | OSHA P0   |
| butane      | 106-97-8 | TWA                              | 800 ppm<br>1,900 mg/m <sup>3</sup>                | NIOSH REL |
|             |          | TWA                              | 800 ppm<br>1,900 mg/m <sup>3</sup>                | OSHA P0   |
| heptane     | 142-82-5 | TWA                              | 85 ppm<br>350 mg/m <sup>3</sup>                   | NIOSH REL |
|             |          | C                                | 440 ppm<br>1,800 mg/m <sup>3</sup>                | NIOSH REL |
|             |          | TWA                              | 500 ppm<br>2,000 mg/m <sup>3</sup>                | OSHA Z-1  |
|             |          | TWA                              | 400 ppm<br>1,600 mg/m <sup>3</sup>                | OSHA P0   |
|             |          | STEL                             | 500 ppm<br>2,000 mg/m <sup>3</sup>                | OSHA P0   |

**Personal protective equipment**

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection  
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Safety glasses  
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and

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concentration of the dangerous substance at the work place.

Hygiene measures : Wash hands before breaks and at the end of workday.  
When using do not eat, drink or smoke.  
When using do not smoke.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Aerosol containing a liquefied gas

Colour : colourless

Odour : characteristic

Odour Threshold : No data available

pH : Not applicable

Melting point/freezing point : No data available

Boiling point : No data available

Flash point :  
Not applicable

Evaporation rate : n-Butyl Acetate = 1.0

Flammability (solid, gas) : Extremely flammable aerosol.

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available  
No data available

Relative vapour density : No data available

Density : No data available

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : not determined

Thermal decomposition : No data available

Viscosity

Viscosity, kinematic : No data available

Heat of combustion : 44.86 kJ/g

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Stable

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|                                    |                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------------|
| Chemical stability                 | : Stable under normal conditions.                                                                     |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.<br>Vapours may form explosive mixture with air. |
| Conditions to avoid                | : Heat, flames and sparks.<br>Extremes of temperature and direct sunlight.                            |
| Incompatible materials             | : Oxidizing agents                                                                                    |
| Hazardous decomposition products   | : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).<br>Nitrogen oxides (NOx)         |

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Components:****cyclohexane:**

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Acute oral toxicity       | : LD50 Oral Rat: 12,705 mg/kg                 |
| Acute inhalation toxicity | : LC50 Rat: 13,900 mg/l<br>Exposure time: 4 h |
| Acute dermal toxicity     | : LD50 Dermal Rabbit: > 2,000 mg/kg           |

**propane:**

|                           |                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Acute inhalation toxicity | : LC50 Mouse: 1,237 mg/l<br>Exposure time: 2 h<br><br>LC50 Rat: 658 mg/l<br>Exposure time: 4 h<br><br>LC50 Rat: 1,355 mg/l |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|

**butane:**

|                           |                                                                            |
|---------------------------|----------------------------------------------------------------------------|
| Acute inhalation toxicity | : LC50 Mouse: 1,237 mg/l<br>Exposure time: 2 h<br><br>LC50 Rat: 1,355 mg/l |
|---------------------------|----------------------------------------------------------------------------|

**heptane:**

|                           |                                                |
|---------------------------|------------------------------------------------|
| Acute inhalation toxicity | : LC50 Rat: 103,000 mg/l<br>Exposure time: 4 h |
|---------------------------|------------------------------------------------|

**Skin corrosion/irritation****Product:**

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Remarks: Irritating to skin.

**Serious eye damage/eye irritation**

**Product:**

Remarks: Irritating to eyes.

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Naphtha (petroleum), hydrotreated light:  
cyclohexane:  
propane:  
butane:  
heptane:**

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration toxicity**

No data available

**Further information**

**Product:**

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

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Partition coefficient: n-octanol/water : Remarks: No data available

**Components:****cyclohexane :**

Partition coefficient: n-octanol/water : log Pow: 3.44

**butane :**

Partition coefficient: n-octanol/water : Pow: 2.89

**heptane :**

Partition coefficient: n-octanol/water : log Pow: > 3.0  
log Pow: 5

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Product:****Regulation**

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

**Remarks**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

**Additional ecological information**

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life., Toxic to aquatic life with long lasting effects.  
No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods****Waste from residues**

: The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

**Contaminated packaging**

: Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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**SECTION 14. TRANSPORT INFORMATION**

Transportation Regulation: 49 CFR (USA):  
ORM-D, CONSUMER COMMODITY

Transportation Regulation: IMDG (Vessel):  
UN1950, AEROSOLS, 2.1, - Limited quantity

Transportation Regulation: IATA (Cargo Air):  
UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: IATA (Passenger Air):  
UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: TDG (Canada):  
UN1950, AEROSOLS, 2.1, - Limited quantity

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

| Components  | CAS-No.  | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|-------------|----------|-----------------------|--------------------------------|
| cyclohexane | 110-82-7 | 1000                  | *                              |

\*: Calculated RQ exceeds reasonably attainable upper limit.

**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  
Sudden Release of Pressure 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:  
cyclohexane 110-82-7 19.8 %

**California Prop 65** WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

benzene 71-43-2

WARNING! This product contains a chemical known to the State of California to cause cancer.

benzene 71-43-2

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

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|         |       |          |
|---------|-------|----------|
|         | harm. |          |
| benzene |       | 71-43-2  |
| toluene |       | 108-88-3 |

The components of this product are reported in the following inventories:

|              |                                                        |
|--------------|--------------------------------------------------------|
| <b>TSCA</b>  | On TSCA Inventory                                      |
| <b>DSL</b>   | All components of this product are on the Canadian DSL |
| <b>AICS</b>  | On the inventory, or in compliance with the inventory  |
| <b>NZIoC</b> | Not in compliance with the inventory                   |
| <b>PICCS</b> | On the inventory, or in compliance with the inventory  |
| <b>IECSC</b> | On the inventory, or in compliance with the inventory  |

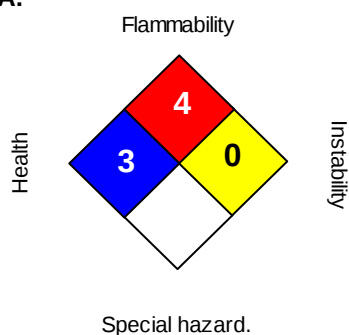
#### Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



#### HMIS III:

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>3</b> |
| <b>FLAMMABILITY</b>    | <b>4</b> |
| <b>PHYSICAL HAZARD</b> | <b>2</b> |

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

### OSHA GHS Label Information:

Hazard pictograms



Signal word

: **Danger:**

Hazard statements

: Extremely flammable aerosol. Contains gas under pressure; may explode if heated.  
Causes skin and eye irritation. May cause drowsiness or dizziness.

Precautionary statements

: **Prevention:** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves.

**Response:** IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

# SAFETY DATA SHEET



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**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Disposal:** Dispose of contents/container in accordance with local regulation.

|                |            |
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Zep Inc. markets products under well recognized and established brand names such as Zep®, Zep Commercial®, Zep Professional®, Enforcer®, National Chemical™, Selig™, Misty®, Next Dimension™, Petro®, i-Chem®, TimeMist®, TimeWick™, MicrobeMax®, Country Vet®, Konk®, Original Bike Spirits®, Blue Coral®, Black Magic®, Rain-X®, Niagara National™, FC Forward Chemicals®, Rexodan®, Mykal™, and a number of private labeled brands.