SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : A00806 MST X-WAX FOAM WX STRPR 20net18
Material number : 000000000001033962
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

Recommended use of the chemical and restrictions on use
Recommended use : Specialty Cleaner and Remover

Note: This product is labeled as a consumer product in accordance with the United States Consumer Product Safety Commission regulations. The warnings presented below in this Safety Data Sheet (SDS) comply with the 2012 OSHA Hazard Communication Standard (GHS - Globally Harmonized System of Classification and Labeling). The requirements for the labeling and warnings of consumer products may differ from those required for GHS based hazard communication.

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

| Appearance | Aerosol containing a liquefied gas |
| Colour | white |
| Odour | alcohol-like, amine-like |

GHS Classification

| Flammable aerosols | Category 2 |
| Gases under pressure | Liquefied gas |
| Skin corrosion | Category 1A |
| Serious eye damage | Category 1 |

GHS label elements

Hazard pictograms

Signal word : Danger

Hazard statements : H223 Flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
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.
P251 Pressurized container: Do not pierce or burn, even after use.
P260 Do not breathe dust or mist.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P363 Wash contaminated clothing before reuse.

Storage:
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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>propan-2-ol</td>
<td>67-63-0</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
<tr>
<td>2-aminoethanol</td>
<td>141-43-5</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
</tbody>
</table>

The exact percentages of disclosed substances are withheld as trade secrets.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Do not leave the victim unattended.
SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical

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 (CO2)
Carbon monoxide
Smoke
Nitrogen oxides (NOx)

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : 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.
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.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling

- Do not breathe vapours/dust.
- Avoid contact with skin and eyes.
- 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.
- Dispose of rinse water in accordance with local and national regulations.

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.
- Keep in a cool, well-ventilated place.
- Observe label precautions.
- Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid

- Do not store near acids.

Storage temperature

- 4.4 - 49 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
</table>


<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Biological specimen</th>
<th>Sampling time</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>propan-2-ol</td>
<td>67-63-0</td>
<td>400 ppm</td>
<td>TWA 200 ppm</td>
<td></td>
<td>ACGLH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ST</td>
<td>400 ppm</td>
<td>TWA 980 mg/m³</td>
<td></td>
<td>ACGLH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ST</td>
<td>500 ppm</td>
<td>TWA 1,225 mg/m³</td>
<td></td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>800 ppm</td>
<td>TWA 800 ppm</td>
<td></td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>1,900 ppm</td>
<td>TWA 1,900 mg/m³</td>
<td></td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td>2-aminoethanol</td>
<td>141-43-5</td>
<td>3 ppm</td>
<td>TWA 6 ppm</td>
<td></td>
<td>ACGLH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ST</td>
<td>3 ppm</td>
<td>TWA 8 mg/m³</td>
<td></td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ST</td>
<td>6 ppm</td>
<td>TWA 15 mg/m³</td>
<td></td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>3 ppm</td>
<td>TWA 6 mg/m³</td>
<td></td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ST</td>
<td>6 ppm</td>
<td>TWA 15 mg/m³</td>
<td></td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>3 ppm</td>
<td>TWA 8 mg/m³</td>
<td></td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
<td>20 ppm</td>
<td>TWA 5 ppm</td>
<td></td>
<td>ACGLH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 ppm</td>
<td>TWA 24 mg/m³</td>
<td></td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>50 ppm</td>
<td>TWA 240 mg/m³</td>
<td></td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>25 ppm</td>
<td>TWA 120 mg/m³</td>
<td></td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>1,000 ppm</td>
<td>TWA 1,000 ppm</td>
<td></td>
<td>ACGLH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>TWA 1,900 mg/m³</td>
<td></td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>TWA 1,900 mg/m³</td>
<td></td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>TWA 1,900 mg/m³</td>
<td></td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>1,000 ppm</td>
<td>TWA 1,000 ppm</td>
<td></td>
<td>ACGLH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>TWA 1,800 mg/m³</td>
<td></td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>TWA 1,800 mg/m³</td>
<td></td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>TWA 1,800 mg/m³</td>
<td></td>
<td>OSHA P0</td>
<td></td>
</tr>
</tbody>
</table>

**Biological occupational exposure limits**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Biological specimen</th>
<th>Sampling time</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPAN-2-OL</td>
<td>67-63-0</td>
<td>Acetone</td>
<td>Urine</td>
<td>End of shift at end of workwee</td>
<td>40 mg/l</td>
<td>ACGLH BEI</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

A00806 MST X-WAX FOAM WX STRPR 20net18
Version 1.1  Revision Date 07/14/2016
Print Date 10/12/2016

<table>
<thead>
<tr>
<th>2-BUTOXYETHANOL</th>
<th>111-76-2</th>
<th>Butoxyacetic acid (BAA)</th>
<th>Urine</th>
<th>End of shift (As soon as possible after exposure ceases)</th>
<th>200 mg/g</th>
<th>ACGIH BEI</th>
</tr>
</thead>
</table>

Remarks: Creatinine

Engineering measures: effective ventilation in all processing areas

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 concentration of the dangerous substance at the work place.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Aerosol containing a liquefied gas

Colour: white

Odour: alcohol-like, amine-like

Odour Threshold: No data available

pH: No data available

Melting point/freezing point: No data available

Boiling point: No data available

Flash point: Not applicable

Evaporation rate: < 1
n-Butyl Acetate = 1.0

Flammability (solid, gas): Flammable aerosol.
SAFETY DATA SHEET

A00806 MST X-WAX FOAM WX STRPR 20net18

Version 1.1  Revision Date 07/14/2016  Print Date 10/12/2016

Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : No data available
Relative vapour density : No data available
Density : No data available
Solubility(ies) :soluble
Water solubility : No data available
Partition coefficient: n-octanol/water : Not determined
Auto-ignition temperature : No data available
Thermal decomposition : No data available
Viscosity
Viscosity, kinematic : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : Vapours may form explosive mixture with air.
                                          No decomposition if stored and applied as directed.
Conditions to avoid : Heat, flames and sparks.
                                          Extremes of temperature and direct sunlight.
Incompatible materials : Alkali metals
                                          Copper
                                          Strong acids
Hazardous decomposition products : Carbon oxides
                                          Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

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
Confirmed animal carcinogen with unknown relevance to humans
2-butoxyethanol 111-76-2

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.

Acute toxicity

Product:

Acute oral toxicity  :  Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity  :  Acute toxicity estimate: > 10 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity  :  Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

Components:

propan-2-ol:

Acute oral toxicity  :  LD50 Oral Rat: 4,396 mg/kg  
Method: Calculation method

butane:

Acute inhalation toxicity  :  LC50 Mouse: 1,237 mg/l  
Exposure time: 2 h

LC50 Rat: 1,355 mg/l

2-aminoethanol:

Acute oral toxicity  :  LD50 Oral Mouse: 700 mg/kg  
LD50 Oral Rat: 1,515 mg/kg

Acute inhalation toxicity  :  LC50 Mouse: > 1.21 mg/l

ethanol:

Acute oral toxicity  :  LD50 Oral Rat: 7,060 mg/kg

Acute inhalation toxicity  :  LC50 Rat: 124.7 mg/l  
Exposure time: 4 h

propane:

Acute inhalation toxicity  :  LC50 Mouse: 1,237 mg/l  
Exposure time: 2 h

LC50 Rat: 658 mg/l  
Exposure time: 4 h
LC50 Rat: 1,355 mg/l

Skin corrosion/irritation

Product:
Remarks: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Product:
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
No data available

Reproductive toxicity
No data available
propan-2-ol:
butane:
2-aminoethanol:
2-butoxyethanol:
etanol:
propane:

STOT - single exposure
No data available

STOT - repeated exposure
No data available

Aspiration toxicity
No data available

Further information
Product:
Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
Product:
Partition coefficient: n-octanol/water
Components: butane
Partition coefficient: n-octanol/water
Remarks: No data available
Pow: 2.89

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: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Dispose of in accordance with local regulations.

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.

SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):
ORM-D, CONSUMER COMMODITY
The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

SECTION 15. REGULATORY INFORMATION

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

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2’-iminodiethanol</td>
<td>111-42-2</td>
<td>100</td>
<td>*</td>
</tr>
</tbody>
</table>

*: 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
Sudden Release of Pressure 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: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.
2,2’-iminodiethanol 111-42-2

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
methanol 67-56-1

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

DSL
This product contains one or several components listed in the Canadian NDSL.

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

Inventory Acronym and Validity Area Legend:
TSCA (USA), DSL (Canada), NDSL (Canada)

SECTION 16. OTHER INFORMATION

Further information

NFPA:

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Health</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>

Special hazard.

HMIS III:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

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

OSHA - GHS Label Information:

Hazard pictograms:

Danger:
Flammable. Aerosol. Contains gas under pressure; may explode if heated. Causes severe skin burns and eye damage.

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. Do not breathe dust or mist. Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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. Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before reuse.

Storage: 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.

Version: 1.1
We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.

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.