

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
 Product name : Formula 400  
 Product code : 02  
 Product group : Blend

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Nypower Industries Ltd.  
 111 Fisher St.  
 P.O. Box PO Box 715  
 Okotoks, AB - Canada  
 T 403 995-2598 - F 403 995-1487  
[gm@nypowerind.com](mailto:gm@nypowerind.com) - [www.nypowerind.com](http://www.nypowerind.com)

#### 1.4. Emergency telephone number

Emergency number : 403 899-4226

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS CA)

Flammable liquids Category 2 H225 Highly flammable liquid and vapor  
 Skin corrosion/irritation Category 1 H314 Causes severe skin burns and eye damage  
 Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS CA labeling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) :

Danger

Hazard statements (GHS CA) :

H225 - Highly flammable liquid and vapor  
 H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS CA) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 - Keep container tightly closed.  
 P240 - Ground/bond container and receiving equipment.  
 P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
 P242 - Use only non-sparking tools.  
 P243 - Take action to prevent static discharges.  
 P260 - Do not breathe fumes/mist/vapors/spray.  
 P264 - Wash hands, forearms and face thoroughly after handling.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 - Immediately call a doctor.  
 P363 - Wash contaminated clothing before reuse.  
 P370+P378 - In case of fire: Use media other than water to extinguish.  
 P403+P235 - Store in a well-ventilated place. Keep cool  
 P405 - Store locked up.  
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS CA)

No data available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                | Chemical name / Synonyms | Product identifier  | %     | Classification (GHS CA)  |
|---------------------|--------------------------|---------------------|-------|--|
| Glycol Ether EB     |                          | (CAS-No.) 111-76-2  | 3 – 8 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |
| Sodium Metasilicate |                          | (CAS-No.) 6834-92-0 | 1 – 5 | Skin Corr. 1B, H314<br>STOT SE 3, H335   |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.
- First-aid measures general : Call a physician immediately.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after skin contact : Burns.
- Symptoms/effects after eye contact : Serious damage to eyes.
- Symptoms/effects after ingestion : Burns.

### 4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Unsuitable extinguishing media

No additional information available

### 5.3. Specific hazards arising from the hazardous product

- Fire hazard : Highly flammable liquid and vapor.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.4. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

### 6.2. Methods and materials for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Hand protection:

Protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

##### Personal protective equipment symbol(s):



### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Liquid.
- Color : Purple
- Odor : slight
- Odor threshold : No data available
- pH : 13
- Relative evaporation rate (butyl acetate=1) : No data available
- Relative evaporation rate (ether=1) : 1.5
- Melting point : -3 °C
- Freezing point : -3
- Boiling point : 101
- Flash point : 12 °C
- Auto-ignition temperature : 425
- Decomposition temperature : No data available
- Flammability (solid, gas) : Not applicable
- Vapor pressure : No data available
- Vapor pressure at 50 °C : No data available

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|   |   |
|---|---|
| Relative vapor density at 20 °C                 | : 33  |
| Relative density                                | : No data available   |
| Specific gravity / density                      | : 1.03  |
| Solubility                                      | : completely miscible. Miscible with water.<br>Water: 100<br>Ethanol: 100 |
| Partition coefficient n-octanol/water (Log Pow) | : No data available   |
| Explosion limits                                | : No data available   |
| Flammability limit - upper                      | : 12 %  |
| Flammability limit - lower                      | : 2 %   |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | : Highly flammable liquid and vapor.   |
| Chemical stability                 | : Stable under normal conditions.  |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use.   |
| Conditions to avoid                | : Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.      |
| Incompatible materials             | : No additional information available  |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Hardening time:                    | : No additional information available  |

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Glycol Ether EB (111-76-2) |                        |
|----------------------------|------------------------|
| ATE CA (oral)              | 500 mg/kg body weight  |
| ATE CA (Dermal)            | 1100 mg/kg body weight |
| ATE CA (dust,mist)         | 1.5 mg/l/4h            |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Causes severe skin burns.<br>pH: 13  |
| Serious eye damage/irritation     | : Causes serious eye damage.<br>pH: 13 |
| Respiratory or skin sensitization | : Not classified                       |
| Germ cell mutagenicity            | : Not classified                       |
| Carcinogenicity                   | : Not classified                       |
| Reproductive toxicity             | : Not classified                       |
| STOT-single exposure              | : Not classified                       |

| Sodium Metasilicate (6834-92-0) |                                   |
|---------------------------------|-----------------------------------|
| STOT-single exposure            | May cause respiratory irritation. |

|                                     |                           |
|-------------------------------------|---------------------------|
|                                     | : Not classified          |
| STOT-repeated exposure              |                           |
| Aspiration hazard                   | : Not classified          |
| Symptoms/effects after skin contact | : Burns.                  |
| Symptoms/effects after eye contact  | : Serious damage to eyes. |
| Symptoms/effects after ingestion    | : Burns.                  |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : Before neutralisation, the product may represent a danger to aquatic organisms. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified  |

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

|       |                  |
|-------|------------------|
| Ozone | : Not classified |
|-------|------------------|

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

|                         |   |
|-------------------------|---|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Additional information  | : Flammable vapors may accumulate in the container.   |

### SECTION 14: Transport information

#### 14.1. Basic shipping description

In accordance with TDG

##### Transportation of Dangerous Goods

|  |                                   |
|--|-----------------------------------|
| UN-No. (TDG)   | : UN1219                          |
| Packing group  | : II - Medium Danger              |
| TDG Primary Hazard Classes                               | : 3 - Class 3 - Flammable Liquids |
| Transport document description                           | : UN1219 ISOPROPYL ALCOHOL, 3, II |
| Proper Shipping Name (Transportation of Dangerous Goods) | : ISOPROPYL ALCOHOL               |
| Hazard labels (TDG)                                      | : 3 - Flammable liquids           |



|   |       |
|---|-------|
| Explosive Limit and Limited Quantity Index                                  | : 1 L |
| Excepted quantities (TDG)   | : E2  |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 5 L |

#### 14.2. Transport information/DOT

##### Department of Transport

Not regulated for transport

#### 14.3. Air and sea transport

##### IMDG

|                                       |  |
|---------------------------------------|--|
| UN-No. (IMDG)                         | : 1219   |
| Proper Shipping Name (IMDG)           | : ISOPROPANOL (ISOPROPYL ALCOHOL)                            |
| Transport document description (IMDG) | : UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL), 3, II (12°C c.c.) |
| Class (IMDG)                          | : 3 - Flammable liquids                                      |
| Packing group (IMDG)                  | : II - substances presenting medium danger                   |

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### IATA

Not regulated for transport

## SECTION 15: Regulatory information

### 15.1. National regulations

#### Sodium Metasilicate (6834-92-0)

Listed on the Canadian DSL (Domestic Substances List)

#### Glycol Ether EB (111-76-2)

Listed on the Canadian DSL (Domestic Substances List)

### 15.2. International regulations

#### Sodium Metasilicate (6834-92-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Glycol Ether EB (111-76-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

## SECTION 16: Other information

SDS Major/Minor : None  
Issue date : 01/21/2001  
Revision date : 01/21/2021  
Supersedes : 01/21/2001

Full text of H-phrases:

|      |   |
|------|---|
| H225 | Highly flammable liquid and vapor       |
| H302 | Harmful if swallowed                    |
| H312 | Harmful in contact with skin            |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation                  |
| H318 | Causes serious eye damage               |
| H319 | Causes serious eye irritation           |
| H332 | Harmful if inhaled                      |
| H335 | May cause respiratory irritation        |

SDS Canada (GHS)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*