



# FaST 365 and MP (NA)

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-19-2017

Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
 Product name : FaST 365 and MP (NA)  
 Type of product : Detergent

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

Recommended use : Industrial use, Professional use, Detergent

#### 1.3. Supplier

Tennant  
 701 North Lilac Drive  
 P.O. Box 1452  
 Minneapolis - MN 55440-1452  
 T +1 (763) 540-1471 (day)/+1 (612) 834-0118

#### 1.4. Emergency telephone number

Emergency number : + 1-703-527-3887 (Chemtrec International – 24 Hrs)

| Country | Organisation/Company | Address | Emergency number     | Remark |
|---------|----------------------|---------|----------------------|--------|
| Canada  | Canada: CANUTEC      |         | + 1 (613) - 996-6666 |        |

### SECTION 2: Hazard identification

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

##### Classification (GHS-CA)

Serious eye damage/eye irritation, H318  
 Category 1

Full text of H statements : see section 16

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

##### GHS-CA labelling

Hazard pictograms (GHS-CA) :



Signal word (GHS-CA) : Danger

Hazard statements (GHS-CA) : H318 - Causes serious eye damage.

Precautionary statements (GHS-CA) : P280 - Wear protective gloves, eye protection.  
 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 POISON CENTER, a doctor.

#### 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)                                                |
|---------------------------------------------------|--------------------------|-----------------------|--------|------------------------------------------------------------------------|
| Ethoxylated alcohol                               |                          | (CAS-No.) Proprietary | 5 - 10 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Acute 3, H402 |
| Alcohols, C9-11, branched and linear, ethoxylated |                          | (CAS-No.) 68439-46-3  | 3 - 5  | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Acute 2, H401 |

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| Name                       | Chemical name / Synonyms | Product identifier  | %       | Classification (GHS-CA)                                                                                                  |
|----------------------------|--------------------------|---------------------|---------|--------------------------------------------------------------------------------------------------------------------------|
| Dodecyldimethylamine oxide |                          | (CAS-No.) 1643-20-5 | 0.1 - 3 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |

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. Call a POISON CENTER/doctor if you feel unwell.                                                 |
| First-aid measures after skin contact | : Wash skin with plenty of water. Remove contaminated clothes. If skin irritation or rash occurs: Get medical advice/attention.                                  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting without medical advice. Call a POISON CENTER/doctor if you feel unwell.                                                    |
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand. Call a doctor if you feel unwell. |

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

|                                    |                           |
|------------------------------------|---------------------------|
| Symptoms/effects after eye contact | : Serious damage to eyes. |
|------------------------------------|---------------------------|

#### 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. Sand. |
|------------------------------|--------------------------------------------------------|

#### 5.2. Unsuitable extinguishing media

|                                |                                    |
|--------------------------------|------------------------------------|
| Unsuitable extinguishing media | : Do not use a heavy water stream. |
|--------------------------------|------------------------------------|

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

|             |                                                    |
|-------------|----------------------------------------------------|
| Fire hazard | : Presents no particular fire or explosion hazard. |
|-------------|----------------------------------------------------|

#### 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. |
| Other information              | : Prevent fire fighting water from entering the environment.                                                                             |

### 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.                 |
| 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"

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |                                                                                                                      |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures              | : 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

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| Storage conditions        | : Store in a well-ventilated place. Keep cool. Keep container closed when not in use. |
| Incompatible products     | : Strong oxidizing agents.                                                            |
| Heat and ignition sources | : Keep away from heat and direct sunlight.                                            |
| Storage temperature       | : < 37.5 °C                                                                           |

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### 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

##### Personal protective equipment:

Gloves. Safety glasses.

##### Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

| Type                                  | Material                                         | Permeation        | Thickness (mm) | Penetration |
|---------------------------------------|--------------------------------------------------|-------------------|----------------|-------------|
| Reusable gloves,<br>Disposable gloves | Nitrile rubber (NBR),<br>Polyvinylchloride (PVC) | 6 (> 480 minutes) | ≥0.11          |             |

##### Eye protection:

Safety glasses. DIN EN 166

| Type           | Use     | Characteristics |
|----------------|---------|-----------------|
| Safety glasses | Droplet |                 |

##### Skin and body protection:

Wear suitable protective clothing. CEN : EN 340; EN 369; EN 465. EN 13034

##### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. EN 143

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



### SECTION 9: Physical and chemical properties

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

|                                            |                           |
|--------------------------------------------|---------------------------|
| Physical state                             | : Liquid                  |
| Appearance                                 | : No data available       |
| Colour                                     | : amber                   |
| Odour                                      | : No fragrance added      |
| Odour threshold                            | : No data available       |
| pH                                         | : 6.5 - 8.5 (Concentrate) |
| pH solution                                | : 6.5 - 8.5 (As diluted)  |
| Relative evaporation rate (butylacetate=1) | : No data available       |
| Relative evaporation rate (ether=1)        | : No data available       |
| Melting point                              | : 0 °C                    |
| Freezing point                             | : No data available       |
| Boiling point                              | : 100 °C                  |
| Flash point                                | : > 93.3 °C               |
| Auto-ignition temperature                  | : No data available       |
| Decomposition temperature                  | : No data available       |
| Flammability (solid, gas)                  | : No data available       |
| Vapour pressure                            | : No data available       |
| Vapour pressure at 50 °C                   | : No data available       |
| Relative density                           | : No data available       |
| Density                                    | : 1 kg/l                  |
| Relative gas density                       | : Heavier than air        |

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|                      |                               |
|----------------------|-------------------------------|
| Solubility           | : Soluble in water.           |
| Log Pow              | : No data available           |
| Viscosity, kinematic | : 90 - 110 mm <sup>2</sup> /s |
| Explosive limits     | : No data available           |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|                                    |                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------|
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability                 | : Protect from freezing.                                                             |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use.                       |
| Conditions to avoid                | : Keep away from heat and direct sunlight.                                           |
| Incompatible materials             | : Strong oxidizing agents.                                                           |
| Hazardous decomposition products   | : Combustion generates: Carbon oxides (CO, CO <sub>2</sub> ).                        |

## 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 |

#### Ethoxylated alcohol (Proprietary)

|               |                      |
|---------------|----------------------|
| LD50 oral rat | > 700 - 1700 mg/kg   |
| ATE CA (oral) | 700 mg/kg bodyweight |

#### Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)

|               |                      |
|---------------|----------------------|
| LD50 oral rat | > 300 - 2000 mg/kg   |
| ATE CA (oral) | 300 mg/kg bodyweight |

#### Dodecyltrimethylamine oxide (1643-20-5)

|               |                      |
|---------------|----------------------|
| ATE CA (oral) | 500 mg/kg bodyweight |
|---------------|----------------------|

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| Skin corrosion/irritation         | : Not classified<br>pH: 6.5 - 8.5 (Concentrate)             |
| Serious eye damage/irritation     | : Causes serious eye damage.<br>pH: 6.5 - 8.5 (Concentrate) |
| Respiratory or skin sensitization | : Not classified                                            |
| Germ cell mutagenicity            | : Not classified                                            |
| Carcinogenicity                   | : Not classified                                            |
| Reproductive toxicity             | : Not classified                                            |
| STOT-single exposure              | : Not classified                                            |
| STOT-repeated exposure            | : Not classified                                            |
| Aspiration hazard                 | : Not classified                                            |

#### FaST 365 and MP (NA)

|                      |                             |
|----------------------|-----------------------------|
| Viscosity, kinematic | 90 - 110 mm <sup>2</sup> /s |
|----------------------|-----------------------------|

|                                    |                           |
|------------------------------------|---------------------------|
| Symptoms/effects after eye contact | : Serious damage to eyes. |
|------------------------------------|---------------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|                          |                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Ecology - general        | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Acute aquatic toxicity   | : Not classified                                                                                                        |
| Chronic aquatic toxicity | : Not classified                                                                                                        |

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### Ethoxylated alcohol (Proprietary)

|                    |                 |
|--------------------|-----------------|
| LC50 fish 1        | > 10 - 100      |
| EC50 Daphnia 1     | > 10 - 100      |
| EC50 72h algae (1) | > 10 - 100 mg/l |

### Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)

|                    |               |
|--------------------|---------------|
| LC50 fish 1        | > 1 - 10 mg/l |
| EC50 Daphnia 1     | > 1 - 10 mg/l |
| EC50 72h algae (1) | > 1 - 10 mg/l |

#### 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

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Empty containers should be taken for recycle, recovery or waste in accordance with local regulation.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

#### 14.1. Basic shipping description

In accordance with TDG

#### Transportation of Dangerous Goods

Not regulated for transport

#### 14.2. Transport information/DOT

#### Department of Transport

Not regulated for transport

#### 14.3. Air and sea transport

#### IMDG

Not regulated for transport

#### IATA

Not regulated for transport

## SECTION 15: Regulatory information

#### 15.1. National regulations

##### Ethoxylated alcohol (Proprietary)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

##### Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)

Listed on the Canadian DSL (Domestic Substances List)

##### Dodecyltrimethylamine oxide (1643-20-5)

Listed on the Canadian DSL (Domestic Substances List)

#### 15.2. International regulations

##### Ethoxylated alcohol (Proprietary)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)

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

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### Dodecyldimethylamine oxide (1643-20-5)

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

## SECTION 16: Other information

SDS Major/Minor : None

Date of issue : 10-19-2017

Data sources : according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830. according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.

Other information : REACH Disclaimer:  
This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

### Full text of H-statements:

|      |                                                  |
|------|--------------------------------------------------|
| H302 | Harmful if swallowed.                            |
| H315 | Causes skin irritation.                          |
| H318 | Causes serious eye damage.                       |
| H400 | Very toxic to aquatic life.                      |
| H401 | Toxic to aquatic life                            |
| H402 | Harmful to aquatic life                          |
| H411 | Toxic to aquatic life with long lasting effects. |

### Abbreviations and acronyms:

|       |                                                                                                   |
|-------|---------------------------------------------------------------------------------------------------|
| CLP   | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| PBT   | Persistent Bioaccumulative Toxic                                                                  |
| vPvB  | Very Persistent and Very Bioaccumulative                                                          |
| ADR   | European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| IATA  | International Air Transport Association                                                           |
| IMDG  | International Maritime Dangerous Goods                                                            |
| RID   | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| LC50  | Median lethal concentration                                                                       |
| LD50  | Median lethal dose                                                                                |
| SDS   | Safety Data Sheet                                                                                 |
| CAS   | CAS (Chemical Abstracts Service) number                                                           |
|       | EG-nr.: EINECS- en ELINCS-number                                                                  |
|       | EINECS: European Inventory of Existing Commercial Substances                                      |
| GHS   | GHS: Globally Harmonized System of Classification and Labelling of Chemicals                      |

### 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*