

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name **MVP Utah Glass Cleaner RTU**

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses glass/mirror cleaner

#### 1.3 Details of the supplier of the safety data sheet

MVP Distributing  
2854 S Featherly Way  
Boise, ID 83709  
208-859-6000

Competent person responsible for the SDS  
Robert Blahnik

#### 1.4 Emergency telephone number

Emergency information service **USA 1.800.535.5053, INTL 1.352.323.3500**  
24 hour emergency telephone number.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

| Annex | - | Hazard class and category         | -       | Hazard statement code(s) |      |
|-------|---|-----------------------------------|---------|--------------------------|------|
| B.6   |   | flammable liquids                 | Cat. 3  | (Flam. Liq. 3)           | H226 |
| A.3   |   | serious eye damage/eye irritation | Cat. 2A | (Eye Irrit. 2A)          | H319 |

##### Remarks

For full text of H-phrases: see SECTION 16.

##### The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

#### 2.2 Label elements

##### Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

**Signal word** warning

##### Pictograms

GHS02, GHS07



##### Hazard statements

H226 Flammable liquid and vapor.  
H319 Causes serious eye irritation.

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

### Precautionary statements

#### Precautionary statements - prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### Precautionary statements - response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If eye irritation persists: get medical advice/attention.

In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.

#### Precautionary statements - storage

Store in a well-ventilated place. Keep cool.

#### Precautionary statements - disposal

Dispose of contents/container to industrial combustion plant.

### 2.3 Other hazards

There is no additional information.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not relevant (mixture)

### 3.2 Mixtures

#### Description of the mixture

| Name of substance               | Identifier         | Wt%      | Hazard class and category                 |  | Hazard statement                             |
|---------------------------------|--------------------|----------|---|--|--|
| propan-2-ol                     | CAS No<br>67-63-0  | 5 - < 10 | B.6<br>A.3<br>A.8D                        | Flam. Liq. 2<br>Eye Irrit. 2A<br>STOT SE 3   | H225<br>H319<br>H336                         |
| ethylene glycol monobutyl ether | CAS No<br>111-76-2 | 5 - < 10 | B.6<br>A.10<br>A.1D<br>A.11<br>A.2<br>A.3 | Flam. Liq. 4<br>Acute Tox. 4<br>Acute Tox. 4<br>Acute Tox. 4<br>Skin Irrit. 2<br>Eye Irrit. 2A | H227<br>H302<br>H312<br>H332<br>H315<br>H319 |

For full text of abbreviations: see SECTION 16.

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

##### Following inhalation

Provide fresh air.

##### Following skin contact

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

##### Following eye contact

Irrigate copiously with clean, fresh water, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing.

##### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO<sub>2</sub>)

##### Unsuitable extinguishing media

water jet

#### 5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Explosive when mixed with combustible material.

##### Hazardous combustion products

nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

### SECTION 6: Accidental release measures

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

##### For non-emergency personnel

Remove persons to safety.

##### For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

#### 6.3 Methods and material for containment and cleaning up

##### Advices on how to contain a spill

Covering of drains.

##### Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).

##### Appropriate containment techniques

Use of adsorbent materials.

##### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

##### Reference to other sections

Hazardous combustion products: see section 5. Personal precautions: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

##### Recommendations

##### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools.

##### Warning

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

##### Advice on general occupational hygiene

Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

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

#### Managing of associated risks

##### • Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

##### • Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

#### Incompatible substances or mixtures

Observe compatible storage of chemicals.

#### Control of the effects

#### Protect against external exposure, such as

frost

#### Consideration of other advice

#### Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

#### Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### National limit values

#### Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent     | CAS No   | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Source      |
|---------|-------------------|----------|------------|-----------|--------------------------|------------|---------------------------|-------------|
| US      | 2-butoxyethanol   | 111-76-2 | PEL        | 50        | 240                      |            |                           | 29 CFR OSHA |
| US      | isopropyl alcohol | 67-63-0  | PEL        | 400       | 980                      |            |                           | 29 CFR OSHA |

#### Notation

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified.

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average.

#### Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Wear eye/face protection.

##### Skin protection

###### • hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

###### • other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                |                |
|----------------|----------------|
| Physical state | liquid         |
| Color          | different      |
| Odor           | characteristic |

#### Other physical and chemical parameters

|   |   |
|---|---|
| pH (value)                              | not determined                                  |
| Melting point/freezing point            | not determined                                  |
| Initial boiling point and boiling range | 82.5 °C   |
| Flash point                             | 50 °C at 101.3 kPa 123 °F at 1 atm (closed cup) |
| Evaporation rate                        | not determined                                  |
| Flammability (solid, gas)               | not relevant (fluid)                            |
| Explosive limits                        | not determined                                  |
| Vapor pressure                          | 31.69 hPa at 25 °C                              |
| Density                                 | 0.9713 g/ml                                     |

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

|                           |                                    |
|---------------------------|------------------------------------|
| Solubility(ies)           |                                    |
| Water solubility          | miscible in any proportion         |
| Partition coefficient     |                                    |
| n-octanol/water (log KOW) | This information is not available. |
| Auto-ignition temperature | 230 °C                             |
| Viscosity                 | not determined                     |
| Explosive properties      | none                               |
| Oxidizing properties      | none                               |

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s): risk of ignition

- if heated

risk of ignition

#### 10.2 Chemical stability

See below "Conditions to avoid".

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

##### Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

##### Physical stresses which might result in a hazardous situation and have to be avoided

strong shocks

#### 10.5 Incompatible materials

There is no additional information.

##### Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

##### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

##### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

##### Acute toxicity

Shall not be classified as acutely toxic.

##### Acute toxicity of components of the mixture

| Name of substance               | CAS No   | Exposure route    | ATE  |
|---------------------------------|----------|-------------------|------|
| ethylene glycol monobutyl ether | 111-76-2 | oral              | 1746 |
| ethylene glycol monobutyl ether | 111-76-2 | dermal            | 1100 |
| ethylene glycol monobutyl ether | 111-76-2 | inhalation: vapor | 11   |

##### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

##### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

##### Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

##### Carcinogenicity

- National Toxicology Program (United States): none of the ingredients are listed
- IARC Monographs

| Name of substance               | Name acc. to inventory | CAS No   | wt% | Classification | Remarks | Number               |
|---------------------------------|------------------------|----------|-----|----------------|---------|----------------------|
| ethylene glycol monobutyl ether | 2-Butoxyethanol        | 111-76-2 | 7.4 | 3              |         | Volume 88            |
| propan-2-ol                     | Isopropyl alcohol      | 67-63-0  | 7.9 | 3              |         | Volume 15, Sup 7, 71 |

##### Legend

3 Not classifiable as to carcinogenicity in humans.

##### Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.



# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity (acute)

Shall not be classified as hazardous to the aquatic environment.

#### Aquatic toxicity (acute) of components of the mixture

| Name of substance               | CAS No   | Endpoint | Value      | Species               | Exposure time |
|---------------------------------|----------|----------|------------|-----------------------|---------------|
| propan-2-ol                     | 67-63-0  | LC50     | 10000 mg/l | fish                  | 96 hours      |
| ethylene glycol monobutyl ether | 111-76-2 | LC50     | 1474 mg/l  | fish                  | 96 hours      |
| ethylene glycol monobutyl ether | 111-76-2 | EC50     | 1550 mg/l  | aquatic invertebrates | 48 hours      |
| ethylene glycol monobutyl ether | 111-76-2 | ErC50    | 1840 mg/l  | algae                 | 72 hours      |

#### Aquatic toxicity (chronic)

#### Aquatic toxicity (chronic) of components of the mixture

| Name of substance               | CAS No   | Endpoint | Value       | Species               | Exposure time |
|---------------------------------|----------|----------|-------------|-----------------------|---------------|
| propan-2-ol                     | 67-63-0  | LC50     | >10000 mg/l | aquatic invertebrates | 24 h          |
| ethylene glycol monobutyl ether | 111-76-2 | EC50     | 297 mg/l    | aquatic invertebrates | 21 d          |

### 12.2 Process of degradability

Data are not available.

#### Degradability of components of the mixture

| Name of substance               | CAS No   | Process                   | Degradation rate | Time |
|---------------------------------|----------|---------------------------|------------------|------|
| propan-2-ol                     | 67-63-0  | oxygen depletion          | 53 %             | 5 d  |
| ethylene glycol monobutyl ether | 111-76-2 | carbon dioxide generation | 18.3 %           | 3 d  |

### 12.3 Bioaccumulative potential

Data are not available.

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

### Bioaccumulative potential of components of the mixture

| Name of substance               | CAS No   | BCF | Log KOW | BOD5/COD |
|---------------------------------|----------|-----|---------|----------|
| ethylene glycol monobutyl ether | 111-76-2 |     | 0.81    |          |

#### 12.4 Mobility in soil

Data are not available.

#### 12.5 Results of PBT and vPvB assessment

Data are not available.

#### 12.6 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Waste treatment-relevant information

Solvent reclamation/regeneration.

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

### 13.3 Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

|      |                                     |  |
|------|-------------------------------------|--|
| 14.1 | UN number                           | 1993   |
| 14.2 | UN proper shipping name             | FLAMMABLE LIQUID, N.O.S.   |
|      | Hazardous constituents              | propan-2-ol  |
| 14.3 | Transport hazard class(es)          |  |
|      | Class                               | 3 (flammable liquids)  |
| 14.4 | Packing group                       | III (substance presenting low danger)  |
| 14.5 | Environmental hazards               | none (non-environmentally hazardous acc. to the dangerous goods regulations) |
| 14.6 | Special precautions for user        |  |
|      | There is no additional information. |  |

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0


Date of compilation: 2015-05-14

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code


The cargo is not intended to be carried in bulk.

### 14.8 Information for each of the UN Model Regulations

#### • Transport of dangerous goods by road or rail (49 CFR US DOT)

|   |                             |
|---|-----------------------------|
| Index number  | 1993                        |
| Proper shipping name  | Flammable liquid, n.o.s.    |
| Class   | 3                           |
| Packing group   | III                         |
| Danger label(s)   | 3                           |
|  |                             |
| Special provisions (SP)   | B1, B52, IB3, T4, TP1, TP29 |
| ERG No  | 128                         |

#### • International Maritime Dangerous Goods Code (IMDG)

|   |                          |
|---|--------------------------|
| UN number   | 1993                     |
| Proper shipping name  | FLAMMABLE LIQUID, N.O.S. |
| Class   | 3                        |
| Packing group   | III                      |
| Danger label(s)   | 3                        |
|  |                          |
| Special provisions (SP)   | 223, 274, 955            |
| Excepted quantities (EQ)  | E1                       |
| Limited quantities (LQ)   | 5 L                      |
| EmS   | F-E, S-E                 |
| Stowage category  | E                        |

#### • International Civil Aviation Organization (ICAO-IATA/DGR)

|                      |                          |
|----------------------|--------------------------|
| UN number            | 1993                     |
| Proper shipping name | Flammable liquid, n.o.s. |
| Class                | 3                        |
| Packing group        | III                      |
| Danger label(s)      | 3                        |

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14



|                          |      |
|--------------------------|------|
| Special provisions (SP)  | A3   |
| Excepted quantities (EQ) | E1   |
| Limited quantities (LQ)  | 10 L |

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### (Canada)

**Domestic Substances List (DSL)/Non-domestic Substances List (NDSL)** all ingredients are listed

##### National regulations (United States)

**Toxic Substance Control Act (TSCA)** all ingredients are listed

##### **SARA TITLE III (Superfund Amendment and Reauthorization Act)**

List of Extremely Hazardous Substances (40 CFR 355) (EPCRA Section 302 and 304) none of the ingredients are listed

Specific Toxic Chemical Listings (40 CFR 372) (EPCRA Section 313)

| Name of substance | CAS No  | Remarks  | Effective date |
|-------------------|---------|--|----------------|
| propan-2-ol       | 67-63-0 | Only persons who manufacture by the strong acid process are subject, no supplier notification. | 1987-01-01     |

##### Industry or sector specific available guidance(s)

##### **NPCA-HMIS® III**

Hazardous Materials Identification System (American Coatings Association)

| Category                             | Rating | Description  |
|--------------------------------------|--------|--|
| <b>Chronic</b>                       | /      | None.  |
| <b>Health</b>                        | 2      | Temporary or minor injury may occur.   |
| <b>Flammability</b>                  | 2      | Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.   |
| <b>Physical hazard</b>               | 0      | Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives. |
| <b>Personal protective equipment</b> | -      |  |

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States) - National Fire Protection Association (United States)

| Category       | Degree of hazard | Description  |
|----------------|------------------|--|
| Flammability   | 2                | Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur. |
| Health         | 0                | Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material.        |
| Instability    | 0                | Materials that are normally stable, even under fire conditions.  |
| Special hazard |                  |  |

### Right to Know Hazardous Substance List

| Name of substance               | CAS No   | Remarks | Classifications |
|---------------------------------|----------|---------|-----------------|
| ethylene glycol monobutyl ether | 111-76-2 |         | CA<br>F2        |
| propan-2-ol                     | 67-63-0  |         | F3              |

#### Legend

- CA Carcinogenic.  
F2 Flammable - Second Degree.  
F3 Flammable - Third Degree.

### Proposition 65 List of chemicals

none of the ingredients are listed

### Relevant European Union (EU) safety, health and environmental provisions

#### Classification according to GHS (1272/2008/EC, CLP)

##### Hazard class

flammable liquids

serious eye damage/eye irritation

##### Category Hazard class and category

3 (Flam. Liq. 3)

2 (Eye Irrit. 2)

## SECTION 16: Other information

### 16.2 Abbreviations and acronyms

| Abbr.         | Descriptions of used abbreviations  |
|---------------|---|
| 29 CFR OSHA   | 29 CFR §1910.1001 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)  |
| 49 CFR US DOT | 49 CFR § 40 U.S. Department of Transportation   |
| Acute Tox.    | acute toxicity  |
| ADR           | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| ATE           | Acute Toxicity Estimate   |
| BCF           | BioConcentration Factor   |
| BOD           | Biochemical Oxygen Demand   |

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

| Abbr.           | Descriptions of used abbreviations  |
|-----------------|---|
| CAS             | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)  |
| CLP             | Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures   |
| CMR             | Carcinogenic, Mutagenic or toxic for Reproduction   |
| COD             | chemical oxygen demand  |
| DMEL            | Derived Minimal Effect Level  |
| DNEL            | Derived No-Effect Level   |
| EmS             | Emergency Schedule  |
| ERG No          | Emergency Response Guidebook - Number   |
| Eye Dam.        | seriously damaging to the eye   |
| Eye Irrit.      | irritant to the eye   |
| Flam. Liq.      | flammable liquid  |
| GHS             | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations                                       |
| IARC Monographs | IARC Monographs on the Evaluation of Carcinogenic Risks to Humans   |
| IATA/DGR        | Dangerous Goods Regulations (DGR) for the air transport (IATA)  |
| ICAO            | International Civil Aviation Organization   |
| IMDG            | International Maritime Dangerous Goods Code   |
| log KOW         | n-octanol/water   |
| MARPOL          | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")   |
| NFPA® 704       | National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States) |
| NPCA-HMIS® III  | National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition                                   |
| OSHA            | Occupational Safety and Health Administration (United States)   |
| PBT             | Persistent, Bioaccumulative and Toxic   |
| PNEC            | Predicted No-Effect Concentration   |
| ppm             | parts per million   |
| Skin Corr.      | corrosive to skin   |
| Skin Irrit.     | irritant to skin  |
| STOT SE         | specific target organ toxicity - single exposure  |
| vPvB            | very Persistent and very Bioaccumulative  |

### 16.3 Key literature references and sources for data

- OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200
- 49 CFR § 172.101 Hazardous Materials Table (DOT)

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## MVP Utah Glass Cleaner RTU

Version number: GHS 1.0

Date of compilation: 2015-05-14

### 16.4 Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### 16.5

#### List of relevant phrases (code and full text as stated in chapter 2 and 3)

| Code | Text                              |
|------|-----------------------------------|
| H225 | highly flammable liquid and vapor |
| H226 | flammable liquid and vapor        |
| H227 | combustible liquid                |
| H302 | harmful if swallowed              |
| H312 | harmful in contact with skin      |
| H315 | causes skin irritation            |
| H319 | causes serious eye irritation     |
| H332 | harmful if inhaled                |
| H336 | may cause drowsiness or dizziness |

### 16.7

#### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.