

# SAFETY DATA SHEET



**Safewing MP I LFD 88 55/45 Dilute**

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Substance key: 000000703688

Revision Date: 08/06/2025

Version : 2 - 0 / USA

Date of printing :03/24/2026

## SECTION 1. IDENTIFICATION

|                                       |                                                                                                                                                 |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Identification of the company:</b> | Clariant Corporation<br>500 East Morehead Street<br>Charlotte, NC, 28202<br>Telephone No.: +1 704-331-7000                                      |
|                                       | <b>Information of the substance/preparation:</b><br>BU Care Chemicals<br>Product Stewardship, +1-704-331-7710<br>e-mail: SDS.NORAM@clariant.com |
|                                       | <b>Emergency tel. number:</b> +1 800-424-9300(CHEMTREC)                                                                                         |

**Trade name:** Safewing MP I LFD 88 55/45 Dilute  
**Material number:** 304714

**Primary product use:** Aircraft de-icing

**Chemical family:** Aqueous solution of corrosion inhibitors and surface active agents in propylene glycol

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

**Hazards for the product as supplied**

Not a hazardous substance or mixture.

**Other hazards**

None known.

**GHS label elements**

Not a hazardous substance or mixture.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

| Chemical name    | CAS No./Unique ID | Concentration (% w/w) | Trade secret |
|------------------|-------------------|-----------------------|--------------|
| Propylene Glycol | 57-55-6*          | >= 45 - <= 70         | TSC          |

\* Indicates that the identifier is a CAS No.

TSC- the actual concentration or concentration range is withheld as a trade secret

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**SECTION 4. FIRST AID MEASURES**

- |                                                             |   |                                                                                                                                                                                                                        |
|-------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice                                              | : | Remove/ Take off immediately all contaminated clothing.<br>Get medical advice/ attention if you feel unwell.                                                                                                           |
| If inhaled                                                  | : | Move the victim to fresh air.<br>Give oxygen or artificial respiration if needed.<br>Get immediate medical advice/ attention.                                                                                          |
| In case of skin contact                                     | : | Remove contaminated clothing and shoes.<br>Wash off with soap and plenty of water.<br>Wash off immediately with plenty of water for at least 15 minutes.<br>Get medical attention if irritation develops and persists. |
| In case of eye contact                                      | : | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>Get immediate medical advice/ attention.                                                                                   |
| If swallowed                                                | : | Rinse mouth.<br>Do NOT induce vomiting.<br>Never give anything by mouth to an unconscious person.<br>Get medical advice/ attention.                                                                                    |
| Most important symptoms and effects, both acute and delayed | : | The possible symptoms known are those derived from the labelling (see section 2).<br>No additional symptoms are known.                                                                                                 |
| Notes to physician                                          | : | Treat symptomatically.                                                                                                                                                                                                 |

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**SECTION 5. FIREFIGHTING MEASURES**

- |                                      |   |                                                                                                                                                                                                                                                               |
|--------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media         | : | Water spray jet<br>Alcohol-resistant foam<br>Dry powder<br>Carbon dioxide (CO <sub>2</sub> )                                                                                                                                                                  |
| Unsuitable extinguishing media       | : | High volume water jet                                                                                                                                                                                                                                         |
| Specific hazards during firefighting | : | In case of fires, hazardous combustion gases are formed:<br>Carbon monoxide (CO)<br>Carbon dioxide (CO <sub>2</sub> )<br>Sulphur dioxide                                                                                                                      |
| Further information                  | : | In the event of fire and/or explosion do not breathe fumes.<br>Do not allow run-off from fire fighting to enter drains or water courses.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

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Special protective equipment : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.  
Avoid contact with skin, eyes and clothing.  
Wash thoroughly after handling.

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

Methods and materials for containment and cleaning up : Prevent product from entering drains.  
Non-sparking tools should be used.  
Take measures to prevent the build up of electrostatic charge.  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).  
Clean contaminated surface thoroughly.

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**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : Observe the general rules of industrial fire protection

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.  
For personal protection see section 8.  
Avoid contact with skin, eyes and clothing.  
Use only with adequate ventilation.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Keep away from heat, sparks and open flames. Store in proper container and keep container closed when not in use.

Further information on storage conditions : Keep containers tightly closed in a cool, well-ventilated place.  
Handle and open container with care.

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

| Components       | CAS-No. | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis   |
|------------------|---------|----------------------------------|---------------------------------------------------|---------|
| Propylene Glycol | 57-55-6 | TWA                              | 10 mg/m3                                          | US WEEL |

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**Engineering measures** : Use engineering controls such as local or general exhaust to maintain airborne concentrations below exposure limits.

**Personal protective equipment**

**Respiratory protection** : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**Hand protection**

Remarks

: Chemical resistant gloves (butyl rubber, nitrile rubber, polyvinyl alcohol). However, please note that PVA degrades in water.

**Eye protection**

: Safety glasses with side-shields

**Skin and body protection**

: Wear protective clothing, including long sleeves and gloves, to prevent skin contact.

**Protective measures**

: Observe the usual precautions for handling chemicals. Avoid contact with skin and eyes.

**Hygiene measures**

: Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

: Liquid

**Colour**

: orange

**Odour**

: characteristic

**Odour Threshold**

: no data available

**pH**

: 7.0 (68 °F / 20 °C)

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|                                                  |                                                                                         |
|--------------------------------------------------|-----------------------------------------------------------------------------------------|
| Solidification point                             | : -22 °F / -30 °C                                                                       |
| Boiling point                                    | : not determined                                                                        |
| Flash point                                      | : 212 °F / 100 °C                                                                       |
| Evaporation rate                                 | : not tested.                                                                           |
| Flammability (solid, gas)                        | : Not applicable                                                                        |
| Self-ignition                                    | : not tested.                                                                           |
| Upper explosion limit / upper flammability limit | : no data available                                                                     |
| Lower explosion limit / Lower flammability limit | : no data available                                                                     |
| Vapour pressure                                  | : not determined                                                                        |
| Relative vapour density                          | : no data available                                                                     |
| Relative density                                 | : no data available                                                                     |
| Density                                          | : 1.0031 g/cm <sup>3</sup> (77 °F / 25 °C)<br>1.0243 g/cm <sup>3</sup> (104 °F / 40 °C) |
| Bulk density                                     | : no data available                                                                     |
| Solubility(ies)                                  |                                                                                         |
| Water solubility                                 | : completely soluble                                                                    |
| Solubility in other solvents                     | : not tested.                                                                           |
| Partition coefficient: n-octanol/water           | : Not applicable                                                                        |
| Auto-ignition temperature                        | : no data available                                                                     |
| Decomposition temperature                        | : no data available                                                                     |
| Viscosity                                        |                                                                                         |
| Viscosity, dynamic                               | : 7 mPa.s (59 °F / 15 °C)<br>5 mPa.s (77 °F / 25 °C)                                    |
| Viscosity, kinematic                             | : no data available                                                                     |
| Explosive properties                             | : Not explosive                                                                         |

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Oxidizing properties : The substance or mixture is not classified as oxidizing.  
The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.

Particle size : Not applicable

## SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.  
Stable

Conditions to avoid : None known.

Incompatible materials : not known

Hazardous decomposition products : When handled and stored appropriately, no dangerous decomposition products are known

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Skin contact

Eye contact

### Acute toxicity

Not classified

### Product:

Acute oral toxicity : Remarks: not tested.

Acute inhalation toxicity : Remarks: not tested.

### Components:

#### **Propylene Glycol:**

Acute oral toxicity : LD50 (Rat, male and female): 22,000 mg/kg  
Method: Other  
GLP: no

Acute inhalation toxicity : LC50 (Rabbit, no data available): > 317.042 mg/l  
Exposure time: 2 h  
Test atmosphere: dust/mist  
Method: Other  
GLP: no

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Acute dermal toxicity : LD50 (Rabbit, no data available): > 2,000 mg/kg  
Method: Other  
GLP: no  
Assessment: The substance or mixture has no acute dermal toxicity

## **Skin corrosion/irritation**

Not classified

### **Product:**

Remarks : no data available

### **Components:**

#### **Propylene Glycol:**

Species : Rabbit  
Exposure time : 4 h  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : No information available.

## **Serious eye damage/eye irritation**

Not classified

### **Product:**

Remarks : no data available

### **Components:**

#### **Propylene Glycol:**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405  
GLP : No information available.

## **Respiratory or skin sensitisation**

### **Skin sensitisation**

Not classified

### **Respiratory sensitisation**

Not classified

### **Product:**

Remarks : no data available

### **Components:**

#### **Propylene Glycol:**

Test Type : Local lymph node assay (LLNA)

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Exposure routes : Dermal  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : Not a skin sensitizer.  
GLP : No information available.

Test Type : Maximisation Test  
Exposure routes : Dermal  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Not a skin sensitizer.  
GLP : No information available.

## **Germ cell mutagenicity**

Not classified

### **Product:**

Germ cell mutagenicity - : No information available.  
Assessment

### **Components:**

#### **Propylene Glycol:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: No information available.

Test Type: Chromosome aberration test in vitro  
Test system: Human lymphocytes  
Concentration: 7,4 - 3810 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: yes

Genotoxicity in vivo : Test Type: Chromosome Aberration Test  
Species: Rat (male)  
Strain: Sprague-Dawley  
Cell type: Bone marrow  
Application Route: oral (gavage)  
Exposure time: 6 - 24 - 48 h  
Dose: 30, 2500, and 5000 mg/kg  
Method: Other  
Result: negative  
GLP: no

Test Type: In vivo micronucleus test  
Species: Mouse (male)  
Cell type: Erythrocytes



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Application Route: Intraperitoneal injection  
Exposure time: 18 h  
Dose: 0, 2500, 5000, 10000, 15000 mg  
Method: Other  
Result: negative  
GLP: No information available.

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects

## **Carcinogenicity**

Not classified

### **Product:**

Carcinogenicity - Assessment : No information available.

### **Components:**

#### **Propylene Glycol:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**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.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**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.

## **Reproductive toxicity**

Not classified

### **Product:**

Reproductive toxicity - Assessment : No information available.

No information available.

### **Components:**

#### **Propylene Glycol:**

Effects on fertility : Test Type: Two-generation study  
Species: Mouse, male and female  
Strain: CD1  
Application Route: Drinking water  
Dose: 1820 - 4800 - 10100 mg/kg  
General Toxicity - Parent: NOAEL: 10,100 mg/kg body weight  
General Toxicity F1: NOAEL: 10,100 mg/kg body weight

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General Toxicity F2: NOAEL: 10,100 mg/kg body weight  
Method: Other  
GLP: No information available.

Effects on foetal  
development

: Test Type: Pre-natal  
Species: Mouse, female  
Strain: CD1  
Application Route: oral (gavage)  
Dose: 520 - 5200 - 10400 mg/kg  
Duration of Single Treatment: 9 d  
General Toxicity Maternal: NOAEL: 520 mg/kg body weight  
Teratogenicity: NOAEL: 1,040 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: yes

Reproductive toxicity -  
Assessment

: No reproductive toxicity to be expected.  
No teratogenic effects to be expected.

## **STOT - single exposure**

Not classified

### **Product:**

Remarks : not tested.

### **Components:**

#### **Propylene Glycol:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

## **STOT - repeated exposure**

Not classified

### **Product:**

Remarks : no data available

### **Components:**

#### **Propylene Glycol:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

## **Repeated dose toxicity**

### **Product:**

Remarks : no data available

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### Components:

#### **Propylene Glycol:**

Species : Rat, male and female  
NOAEL : 1.700 - 2.100 mg/kg bw/day  
Application Route : oral (feed)  
Exposure time : 2 a  
Number of exposures : daily  
Dose : 200, 400, 900, 1700 mg/kg bw  
Control Group : yes  
Method : Other  
GLP : no

Species : Cat, male  
NOAEL : 443 mg/kg bw/day  
Application Route : oral (feed)  
Exposure time : 69 - 94 d  
Number of exposures : daily  
Dose : 80 - 4239 mg/kg  
Control Group : yes  
Method : Other  
GLP : no

Species : Rat, male and female  
LOEL : 0.16 mg/l  
Application Route : Inhalation  
Test atmosphere : dust/mist  
Exposure time : 90 d  
Number of exposures : 6 hours/day, 5 days/week  
Dose : 0,16 - 1,01 - 2,18 mg/l  
Control Group : yes  
Method : Other  
GLP : No information available.

Species : Mouse, female  
NOAEL : 0.02  
Application Route : Dermal  
Exposure time : Lifespan  
Number of exposures : 2x / w  
Dose : 10-50-100% / 0.02 ml acetone  
Control Group : yes  
Method : Other  
GLP : no  
Remarks : No pathological findings

#### **Aspiration toxicity**

Not classified

#### **Product:**

no data available

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## **Components:**

### **Propylene Glycol:**

No aspiration toxicity classification

## **Experience with human exposure**

### **Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

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## **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

#### **Product:**

Toxicity to fish : Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: no data available

Toxicity to algae/aquatic plants : Remarks: no data available

Toxicity to microorganisms : Remarks: no data available

## **Components:**

### **Propylene Glycol:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l  
End point: mortality  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: yes  
Method: Other  
GLP: no

Toxicity to daphnia and other aquatic invertebrates : LC50 (Mysidopsis bahia (opossum shrimp)): 18,800 mg/l  
End point: mortality  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: yes  
Method: Other  
GLP: yes

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 19,000 mg/l  
End point: Growth rate  
Exposure time: 96 h  
Test Type: static test

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Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes

ErC50 (Skeletonema costatum (marine diatom)): 19,100 mg/l  
End point: Growth rate  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes

Toxicity to fish (Chronic toxicity) : Chronic Toxicity Value (Fish): 2,500 mg/l  
End point: Other  
Exposure time: 30 d  
Method: Other  
GLP: no  
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Ceriodaphnia spec.): 13,020 mg/l  
End point: Reproduction rate  
Exposure time: 7 d  
Test Type: semi-static test  
Analytical monitoring: yes  
Method: Other  
GLP: No information available.

Toxicity to microorganisms : NOEC (Pseudomonas putida): > 20,000 mg/l  
End point: Growth rate  
Exposure time: 18 h  
Test Type: Growth inhibition  
Analytical monitoring: no  
Method: Other  
GLP: no

Sediment toxicity : LC50: 6983 mg/kg dry weight (d.w.)  
Analytical monitoring: yes  
Solvent: no  
Duration: 10 d  
Test Type: static test  
Sediment: Natural sediment  
Basis for effect: mortality  
Method: Other  
GLP: yes

## Persistence and degradability

### Product:

Biodegradability : Remarks: Not applicable

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### Components:

#### **Propylene Glycol:**

Biodegradability : aerobic  
Inoculum: activated sludge  
Concentration: 100 mg/l ThOD  
Biochemical Oxygen Demand (BOD)  
Result: Readily biodegradable.  
Biodegradation: 100 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
GLP: yes

aerobic  
Inoculum: activated sludge  
Concentration: 50.3 mg/l  
Carbon dioxide (CO<sub>2</sub>)  
Result: Readily biodegradable.  
Biodegradation: 90.6 %  
Exposure time: 64 d  
Method: OECD Test Guideline 306  
GLP: yes

### **Bioaccumulative potential**

#### Components:

#### **Propylene Glycol:**

Bioaccumulation : Bioconcentration factor (BCF): 0.09  
Method: calculated  
GLP: no  
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

Partition coefficient: n-octanol/water : log Pow: -1.07 (68.9 °F / 20.5 °C)  
pH: 6.3  
Method: Regulation (EC) No. 440/2008, Annex, A.8  
GLP: yes

### **Mobility in soil**

#### Components:

#### **Propylene Glycol:**

Distribution among environmental compartments : Adsorption/Soil  
Medium: water - soil  
log K<sub>oc</sub>: 0.46  
Method: other (calculated)

Stability in soil : Test Type: Laboratory  
Soil temperature: 77 °F / 25 °C  
Radio label: no

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Percentage dissipation: 96 - 98 %

Method: Other

GLP: no

## Other adverse effects

### Product:

Additional ecological information : no data available

### Components:

#### **Propylene Glycol:**

Additional ecological information : Do not allow to enter ground water, waterways or waste water.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

RCRA - Resource Conservation and Recovery Act : This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code : None

Waste from residues : Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or landfilled after solidification in permitted systems.

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

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## SECTION 14. TRANSPORT INFORMATION

DOT not restricted

IATA not restricted

IMDG not restricted

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## SECTION 15. REGULATORY INFORMATION

### **CERCLA Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

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## **SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

**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.

## **Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

|                  |         |                |
|------------------|---------|----------------|
| Propylene Glycol | 57-55-6 | >= 30 - < 50 % |
|------------------|---------|----------------|

## **Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

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

**TSCA** : On TSCA Inventory, All components are compliant with the TSCA Inventory Notification (Active) rule.

**DSL** : All components of this product are on the Canadian DSL

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## **SECTION 16. OTHER INFORMATION**

### **Further information**



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# CLARIANT<sup>E</sup>

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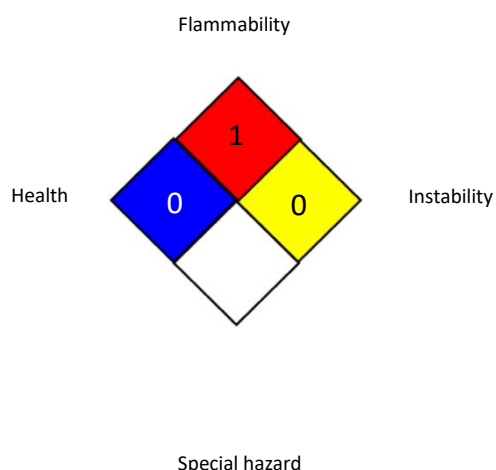
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## NFPA 704:



## Full text of other abbreviations

US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)  
US WEEL / TWA : 8-hr TWA

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-

# SAFETY DATA SHEET



**Safewing MP I LFD 88 55/45 Dilute**

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Substance key: 000000703688

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Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Observe national and local legal requirements  
For additional information, contact Product Stewardship.

Revision Date : 08/06/2025

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