

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



G648c

SUBID:00000007191

Version 6

Print Date 06-10-2014

Revision Date 06-09-2014

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or mixture:

Product name : G648c
MSDS Number : 00000007191

1.2 Use of the substance/mixture:

Use of the Substance/Preparation : Concentrated fountain solution
Business group : GS

1.3 Company/undertaking identification

Agfa Corporation
611 River Drive
Center 3
Elmwood Park, NJ 07407
U.S.A.

Transport Emergency

Non-transportation

Call CHEMTREC : +1 800 4249300
International : +1 703 5273887

Health Emergency Phone : +1 303 6235716
Agfa Information Phone : +1 201 4402500

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

GHS (Globally Harmonized System of Classification and Labelling of Chemicals)

This product is not regulated according to the criteria of the United States, Occupational Safety and Health Administration (OSHA), Hazard Communication, 29 Code of Federal Regulation 1910.1200.

2.2 Label elements:

This product is not regulated according to the criteria of the United States, Occupational Safety and Health Administration (OSHA), Hazard Communication, 29 Code of Federal Regulation 1910.1200.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture related information:

Concentrated fountain solution, consisting mainly of:

3.2 Hazard ingredients:

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



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Hazardous components

This product does not contain any hazardous ingredients as defined by relevant legislation.

Components with a community workplace exposure limit

This product does not contain components with a community exposure limit.

3.3 Remark:

Full text of each relevant H-phrase is listed in section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

- | | | |
|--------------|---|---|
| Eye contact | : | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| Skin contact | : | Wash immediately with plenty of water and soap. If symptoms persist, seek medical advice. |
| Ingestion | : | Rinse mouth with plenty of water. Seek medical advice. |
| Inhalation | : | Take person to fresh air. If necessary, seek medical advice. |

4.2 Most important symptoms and effects:

4.3 Indication of immediate medical attention and special treatment needed:

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media : All extinguishing media are suitable.

5.2 Special hazards arising from the substance or mixture:

- Further information : Product is not combustible.

5.3 Advice for fire-fighters:

- Special protective equipment for fire-fighters : Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

- | | | |
|----------------------|---|--|
| Personal precautions | : | See section : Exposure controls / personal protection. |
| Additional advice | : | Wash away residues with plenty of water. |

SAFETY DATA SHEET

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G648c

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6.2 Environmental precautions:

Environmental precautions : For waste disposal see section 13.

6.3 Methods and material for containment and cleaning up:

Methods for cleaning up : Dike the spill if necessary. Soak up with absorbent material. Collect large spills into a properly labelled and sealable container. Prevent release into the drain, soil or surface water.

Methods for cleaning up : Dike the spill if necessary. Prevent release into the drain, soil or surface water. Soak up with absorbent material. Collect large spills into a properly labelled and sealable container. Neutralise with a sodium carbonate solution.

6.4 Reference to other sections:

For waste disposal see section 13.

For personal protection see section 8.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Hygiene measures : Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available.

Advice on protection against fire and explosion : No special protective measures against fire and explosion required.

7.2 Conditions for safe storage:

Requirements for storage areas and containers : Keep container tightly closed. Protect from direct sunlight.

Advice on common storage : Store away from oxidizing agents.

7.3 Specific end use:

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

8.1.1 Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

8.1.1.1 Occupational exposure limits:

Air limit values (US)

SAFETY DATA SHEET

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G648c

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Version 6

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We are not aware of any national exposure limit.

Air limit values (CA)

We are not aware of any national exposure limit.

Biological limit values (US)

We are not aware of any national exposure limit.

Biological limit values (CA)

We are not aware of any national exposure limit.

8.1.1.2 Additional exposure limits under the conditions of use:

8.2 Exposure controls:

Occupational exposure controls:

> Instruction measures to prevent exposure:

Employees should wash their hands and face before eating, drinking, or using tobacco products. Keep away from foodstuffs, drinks and tobacco.

> Technical measures to prevent exposure:

> Personal measures to prevent exposure:

- | | | |
|-------------------------------|---|---|
| Respiratory protection | : | Under normal conditions of use, respirator protection is not required. If respirators are used, institute a program in accordance with OSHA standard 29CFR1910.134 or Canada CSA Standard Z94.4-02. |
| Hand protection | : | Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials: butyl rubber (thickness \geq 0.36 mm, breakthrough time $>$ 480 min), nitrile rubber (thickness \geq 0.38 mm, breakthrough time $>$ 480 min) or neoprene (thickness \geq 0.65 mm, breakthrough time $>$ 240 min). For intermittent splash protection corresponding gloves with breakthrough times $>$ 60 min can be used. Avoid gloves made of: natural latex. |
| Eye protection | : | Safety glasses. |
| Personal protective equipment | : | Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties:

9.1.1 Appearance:

State of matter : Liquid

SAFETY DATA SHEET

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Form : Liquid.
Color : Colourless.
Odor : Nearly odourless
Odor threshold : No data available

9.1.2 Important health, safety and environmental information:

pH (25 °C) : 5.6
Melting point/range : < 0 °C
Boiling point/range : > 100 °C
Flash point : > 93.33 °C
Not combustible.
Vapour pressure (20 °C) : 23.00 hPa
Relative density (20 °C) : 1.037
Solubility/qualitative : Miscible with water at all ratios.
Partition coefficient (n-octanol/water) : No data available
Viscosity, dynamic : No data available
Viscosity, kinematic : No data available
Lower explosion limit : No data available
Upper explosion limit : No data available
Evaporation rate : No data available
Flammability (solid, gas) : Product is not combustible.

9.2 Other information:

VOC content : 132.74 g/l
VOC content excluding water

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

10.2 Chemical stability:

Stability : The product is stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions:

10.4 Conditions to avoid:

Conditions to avoid : Avoid contact with oxidizing agents. Remove all chemicals and rinse the processing tanks thoroughly with water before using any cleansing products.

10.5 Materials to avoid:

10.6 Hazardous decomposition products:

SAFETY DATA SHEET

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Hazardous decomposition : None
products

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicokinetics, metabolism and distribution:

Acute effects (toxicity tests):

- Acute Toxicity
- Specific target organ toxicity (STOT):
- Irritant and corrosive effects:
- Irritation to the respiratory tract:
- Sensitisation:
- Aspiration hazard:

Sub-acute, sub-chronic and chronic toxicity

- Repeated dose toxicity:
- Specific target organ toxicity (STOT):
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
 - Carcinogenicity
 - Mutagenicity
 - Genetic toxicity in vitro
 - Genetic toxicity in vivo

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- **Teratogenicity**
- **Toxicity to reproduction**
- **Summarised evaluation of the CMR properties:**

Experiences made in practice:

No toxicological effects known.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

12.2 Persistence and degradability:

Physico-chemical removability

Chemical Oxygen Demand (COD)

Adsorbed organic bound halogens (AOX)

Biodegradation

Biochemical Oxygen Demand (BOD)

12.3 Bioaccumulative potential:

Partition coefficient (n-octanol/water)

No data available

Bioconcentration factor (BCF)

12.4 Mobility in soil:

Henry's constant

Transport between environmental compartments

12.5 Results of PBT and vPvB assessment:

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12.6 Other adverse effects:

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Waste disposal should be in accordance with existing federal, state and local environmental control laws. Discharge to sewer may require approval of permitting authority and may require pretreatment.

Empty containers.

Recondition or dispose of empty container in accordance with governmental regulations.

US. RCRA Hazardous Waste Classification (40 CFR 261)

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

SECTION 14. TRANSPORT INFORMATION

Not regulated according to IMO/IMDG.

Not regulated according to ICAO/IATA aircraft only.

Not regulated according to ICAO/IATA passenger and cargo aircraft.

Not Regulated according to US Department of Transportation (DOT) 49 CFR

Not regulated according to Transport of Dangerous Goods (TDG)

SECTION 15. REGULATORY INFORMATION

US. Toxic Substances Control Act (TSCA)

All of the components of this product are listed on the TSCA Inventory.

US. OSHA Classification

This product is not regulated according to the criteria of the United States, Occupational Safety and Health Administration (OSHA), Hazard Communication, 29 Code of Federal Regulation 1910.1200.

US. SARA 311/312 Hazard Categories

No SARA Hazards

State Right-to-Know Information

The following chemicals are specifically listed by individual states. Other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

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US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

	<u>CAS-No.</u>	<u>Concentration [%]</u>
• Dipropylene glycol	25265-71-8	>= 10.0 - <= 20.0

US. Massachusetts, New Jersey, Pennsylvania or Rhode Island Right to Know Substance Lists : See Section 2.

Canadian WHMIS Classification

Not regulated.

Canadian Environmental Protection Act (CEPA)

All components of this product are on the Canadian DSL list.

SECTION 16. OTHER INFORMATION

|| This MSDS is replacing Agfa MSDS number **430G**

This information is furnished without warranty, expressed or implied, and is believed to be accurate to the best knowledge of Agfa Corporation. The data on this SDS relates only to the specific material designated herein. Agfa Corporation assumes no legal responsibility for use or reliance upon these data. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.