

G135, Industrial X-Ray Developer/Replenisher Part C

SUBID:000001007372

Version 1
Revision Date 10-08-2007

Print Date 10-09-2007

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Identification of the substance/preparation**

Product name : G135, Industrial X-Ray Developer/Replenisher Part C
MSDS Number : 000001007372
Use of the Substance/Preparation : Photographic developer concentrate
Product code : FXQV2, LCWVD, LJR2L
Business group : IN

Company/Undertaking Identification

Agfa Corporation
100 Challenger Road
Ridgefield Park, NJ 07660
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. COMPOSITION/INFORMATION ON INGREDIENTS

Aqueous photographic developer concentrate, mainly consisting of:

	<u>CAS-No.</u>	<u>Concentration [%]</u>
• Glutaraldehyde bis(potassium sulphite)		>= 30.0 - <= 40.0
• Water	7732-18-5	>= 60.0 - <= 80.0

SECTION 3. HAZARDS IDENTIFICATION

The product as a whole has not been tested. This hazard information is for the individual ingredients.

Emergency Overview

Form : Liquid.
Colour : Light yellow
Odour : Slightly pungent smell

WARNING !

May cause respiratory tract irritation. May cause allergic respiratory reaction. May cause skin irritation. May cause allergic skin reaction. Causes eye irritation.

Potential Health Effects

Primary Routes of Entry : Eye contact. Skin contact. Inhalation of vapours or mists.
Accidental ingestion.
Aggravated Medical Condition : Persons with preexisting eye, skin or respiratory tract disorders may be more susceptible to the effects of this product.

Acute health effects

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Inhalation

- Glutaraldehyde bis(potassium sulphite) : May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

Skin contact

- Glutaraldehyde bis(potassium sulphite) : May be irritating to the skin with symptoms of reddening and itching.

Eye contact

- Glutaraldehyde bis(potassium sulphite) : Can be irritating to the eyes with symptoms of reddening, itching, stinging, and swelling.

Chronic health hazards**Inhalation**

- Glutaraldehyde bis(potassium sulphite) : Persons who have been previously sensitized to sulfites should take precautions to prevent the inhalation.

Skin contact

- Glutaraldehyde bis(potassium sulphite) : Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Carcinogenicity

The components of this product are not listed by NTP, IARC or regulated as a carcinogen by OSHA.

SECTION 4. 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.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : All extinguishing media are suitable.
- Specific hazards during fire fighting : In case of fire, thermal decomposition with emission of hazardous fumes is possible (e.g. SO₂).
- Special protective equipment for fire-fighters : Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
- Additional advice : Product is not combustible.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : See section : Exposure controls / personel protection.
- Environmental precautions : For waste disposal see section 13.
- Methods for cleaning up : Dike the spill if necessary. Soak up with absorbent material. Collect large spills into a properly labelled and sealable

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Additional advice : container. Prevent release into the drain, soil or surface water.
: Wash away residues with plenty of water.

SECTION 7. HANDLING AND STORAGE**Storage**

Advice on common storage : Store away from strong acids and strong oxidizing agents (e.g. sodium hypochlorite).
Requirements for storage areas and containers : Keep container tightly closed. Protect from direct sunlight.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure controls**

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.
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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid.
Colour : Light yellow
Odour : Slightly pungent smell
Vapour pressure : 23.00 hPa at 20 °C (68 °F)
Relative density : 1.244 at 20 °C (68 °F)
pH (25 °C, 77 °F) : 2.5
Melting point/range : $<$ 0 °C ($<$ 32 °F)
Boiling point/range : $>$ 100 °C ($>$ 212 °F)
Relative vapour density : Not applicable
VOC content : 0.0 %
VOC content excluding water

SECTION 10. STABILITY AND REACTIVITY

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

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Hazardous decomposition products : use.
Hazardous decomposition products : Sulphur dioxide
Thermal decomposition : Not applicable
Conditions to avoid : Avoid contact with strong acids and strong oxidizing agents (e.g. sodiumhypochlorite). Remove all chemicals and rinse the processing tanks thoroughly with water before using any cleansing products.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity data specific for individual ingredients in their pure state:

Other information

No toxicological effects known. In normal conditions of use, sulphur dioxide may be set free in concentrations well below the threshold limit value (TLV) of 2 ppm. Asthmatic individuals, however, may possibly be sensitive to concentrations as low as 0.1 ppm.

SECTION 12. ECOLOGICAL INFORMATION**Further information on ecology**

Chemical Oxygen Demand (COD) : 363,000 mg/l

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 classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

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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 hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

US. SARA 311/312 Hazard Categories

Acute Health Hazard.

US. California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

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.

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

Canadian WHMIS Classification

D2B : Toxic Material Causing Other Toxic Effects

Canadian Environmental Protection Act (CEPA)

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

SECTION 16. OTHER INFORMATION
US. HMIS Rating

Health	:	2
Flammability	:	0
Reactivity	:	0

(0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe)

US. NFPA 704M Rating

Health	:	2
Flammability	:	0
Reactivity	:	0

(0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme)

Agfa Corporation's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by Agfa Corporation as a customer service.

This MSDS is replacing Agfa MSDS number 073TC.005

Section(s) changed compared to the previous issue: 8

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