

# HAZARD SAFETY DATA SHEET

AGFA CORPORATION  
100 Challenger Road  
Ridgefield Park, NJ 07660 Product #: 83-100772

TRANSPORTATION EMERGENCY  
CALL CHEMTREC: 800-424-9300  
INTERNATIONAL: 703-527-3887

NON-TRANSPORTATION  
HEALTH EMERGENCY PHONE...: (303) 623-5716  
AGFA INFORMATION PHONE...: (201) 440-2500

## 1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME.....: Quicksilver Fountain Solution  
PRODUCT CODE.....: F90JN000 LEXPR000  
CHEMICAL FAMILY.....: Aqueous photochemical solution  
BUSINESS GROUP.....: Graphic Systems  
AGFA MSDS NUMBER.....: 394g.002

## 2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME /CAS NUMBER	EXPOSURE LIMITS	CONCENTRATION (%)
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\*\*\*\*\* HAZARDOUS INGREDIENTS \*\*\*\*\*

Methylol glycol 107-41-5	OSHA PEL : Not Established ACGIH TLV: 25 ppm Ceiling 121 mg/m3 Ceiling	15-20 %
Silicon dioxide 7631-86-9	OSHA PEL : 80 mg/m3 *TWA ACGIH TLV: 10 mg/m3 TWA	5-10 %
* divide 80 mg/m3 by % SiO2 found in the air sample to obtain the PEL		
Glycerine 56-81-5	OSHA PEL : Not Established ACGIH TLV: Not Established	40-45 %
Citric acid 77-92-9	OSHA PEL : Not Established ACGIH TLV: Not Established	1- 5 %

## 3. HAZARD IDENTIFICATION:

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

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\* EMERGENCY OVERVIEW \*  
\* \*  
\* WARNING! Color: Yellow; Form: Liquid; Odor: Faint, sweet; \*  
\* May cause respiratory tract irritation; Inhalation may cause \*  
\* nausea or dizziness; Causes skin irritation; Causes eye \*  
\* irritation. \*  
\*\*\*\*\*

## POTENTIAL HEALTH EFFECTS:

ROUTES OF ENTRY.....: Eye and skin contact, inhalation of vapors or mists, accidental ingestion.

Agfa Corp. 02/1988

**HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:**

**ACUTE INHALATION.....:** Citric acid vapors and mists may be irritating to the mucous membranes of the respiratory tract with symptoms of coughing and nasal discharge. Overexposure to citric acid may produce central nervous system depression with symptoms of headache, dizziness, confusion or coma. Due to the low vapor pressure of hexylene glycol it would not be expected to be a vapor hazard at room temperature, however, at elevated temperatures it may cause the same symptoms as stated above. Vapor or mist of glycerine at high concentrations may cause respiratory tract irritation resulting in coughing, sore throat and runny nose.

**CHRONIC INHALATION.....:** Chronic exposure to organic solvents has been associated with various neurotoxic effects including permanent brain and nervous system damage. Symptoms include: loss of memory, loss of intellectual ability, and loss of coordination. Prolonged inhalation of amorphous silica may produce x-ray changes in the lungs without disability.

**ACUTE SKIN CONTACT.....:** Contact with hexylene glycol and citric acid may cause irritation resulting in reddening, drying and itching.

**CHRONIC SKIN CONTACT.....:** None known

**ACUTE EYE CONTACT.....:** Citric acid is severely irritating to the eyes resulting in reddening, swelling of the eye and surrounding tissue, and burning. Contact with hexylene glycol may cause irritation resulting in stinging, tearing and reddening.

**CHRONIC EYE CONTACT.....:** None known

**ACUTE INGESTION.....:** Ingestion of this product may produce central nervous system depression with symptoms of headache, dizziness, confusion or coma.

**CHRONIC INGESTION.....:** Chronic exposure to organic solvents has been associated with various neurotoxic effects including permanent brain and nervous system damage. Symptoms include: loss of memory, loss of intellectual ability, and loss of coordination.

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

**MEDICAL CONDITIONS**

**AGGRAVATED BY EXPOSURE.....:** Persons with a pre-existing eye or skin conditions or impaired pulmonary function may be more susceptible to the effects of this product.

**4. FIRST AID MEASURES:**

**FIRST AID FOR EYES.....:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**FIRST AID FOR SKIN.....:** Flush affected areas promptly with water and soap for 15 minutes. Remove contaminated clothing. In case of continued irritation consult physician.

**FIRST AID FOR INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**FIRST AID FOR INGESTION.:** If swallowed, rinse mouth with plenty of water, call a Physician.

**5. FIRE FIGHTING MEASURES:**

**FLASH POINT.....:** Not Applicable

**EXTINGUISHING MEDIA.....:** Water; Carbon Dioxide; Dry Chemical; Foam

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

**6. ACCIDENTAL RELEASE MEASURES:**

**SPILL OR LEAK PROCEDURES.....:** Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dike Spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, oil dry or other absorbent material. Spill may be neutralized with powdered Sodium Carbonate. For disposal see section 13.

**7. HANDLING AND STORAGE:**

STORAGE TEMPERATURE (MIN/MAX): Store between 40 F (4.4 C) and 80 F (26 C).

Preferred storage is at 68 F (20 C).

SHELF LIFE.....: N.A.

SPECIAL SENSITIVITY.....: Keep from freezing.

HANDLING/STORAGE PRECAUTIONS: Avoid eye and skin contact, and store in well-ventilated area. Keep container tightly closed. Do not store with incompatible materials. Do not store or consume food, drink or tobacco in area where they may become contaminated with this material. For incompatibles see section 10.

OTHER NOTES.....: Keep out of the reach of children.

**8. PERSONAL PROTECTION:**

PROTECTIVE CLOTHING REQUIREMENTS...: Splash protection required for eyes, e.g., eye glasses with side shields or goggles. For skin protection use chemical resistant gloves and aprons, e.g. made of neoprene, rubber or vinyl.

VENTILATION REQUIREMENTS.....: Use sufficient general room ventilation and/or local exhaust to maintain airborne levels of vapors below applicable exposure limits (see Section 2).

RESPIRATOR REQUIREMENTS.....: Under normal conditions of use, respirator protection is not required. If respirators are used, institute a program in accordance with OSHA standard 29CFR1010.134.

ADDITIONAL PROTECTIVE MEASURES.....: Emergency showers and eye wash stations should be made available. Educate and train employees in the safe use and handling of this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

PHYSICAL FORM.....: Liquid

COLOR.....: Yellow

ODOR.....: Faint, sweet

pH .....: Approx. 5.6

BOILING POINT.....: 221 F (5 C)

MELTING/FREEZING POINT....: -7.6 F (-22 C)

SOLUBILITY IN WATER .....: Soluble

SPECIFIC GRAVITY .....: 1.141

BULK DENSITY.....: Not Applicable

VAPOR PRESSURE .....: Not Established

**10. STABILITY AND REACTIVITY:**

STABILITY.....: This is a stable material.

HAZARDOUS POLYMERIZATION...: Will not occur.

INCOMPATIBILITIES.....: Strong bases, oxidizers

INSTABILITY CONDITIONS.....: None known.

DECOMPOSITION PRODUCTS.....: CO, CO<sub>2</sub>, oxides of nitrogen and other potentially toxic fumes.

**11. TOXICOLOGICAL INFORMATION:**

TOXICITY DATA FOR: Hexylene glycol

ACUTE TOXICITY

ORAL LD50.....: 3700 mg/kg (rat)

**12. ECOLOGICAL INFORMATION:**

NO ECOLOGICAL INFORMATION AVAILABLE

**13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD.....: Recover nonusable free liquid and/or contaminated water, and dispose of in an approved and permitted treatment system.

Remove nonusable solid material and/or contaminated soil, for disposal in an approved and permitted landfill. Discharge to sewer may require approval of permitting authority and may require pretreatment.

**14. TRANSPORTATION INFORMATION:**

TECHNICAL SHIPPING NAME.....: Aqueous photochemical solution  
PRODUCT LABEL.....: Quicksilver Fountain Solution

DOT (DOMESTIC SURFACE)  
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HAZARD CLASS OR DIVISION .....: Non-Regulated

IMO / IMDG CODE (OCEAN)  
-----

HAZARD CLASS DIVISION NUMBER...: Non-Regulated

ICAO / IATA (AIR)  
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HAZARD CLASS DIVISION NUMBER...: Non-Regulated

**15. REGULATORY INFORMATION:**

OSHA STATUS.....: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS.....: On TSCA Inventory

CERCLA REPORTABLE QUANTITY...: None

SARA TITLE III:

SECTION 302 EXTREMELY  
HAZARDOUS SUBSTANCES...: None

SECTION 311/312  
HAZARD CATEGORIES.....: Immediate Health Hazard

SECTION 313  
TOXIC CHEMICALS.....: None

RCRA STATUS.....: 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. (40 CFR 261.20-24)

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.

COMPONENT NAME /CAS NUMBER	CONCENTRATION	STATE CODE
Water 7732-18-5	25-30 %	PA3, NJ4
Hexylene glycol 107-41-5	15-20 %	PA1, MA, NJ1
Silicon dioxide 7631-86-9	5-10 %	PA1, MA, NJ1
Glycerine 56-81-5	40-45 %	PA1, MA, NJ4
Citric acid 77-92-9	1-5 %	PA3, NJ4

MA = Massachusetts Hazardous Substance List  
NJ1 = New Jersey Hazardous Substance List  
NJ4 = New Jersey Other - included in 5 predominant ingredients > 1%  
PA1 = Pennsylvania Hazardous Substance List  
PA3 = Pennsylvania Non-hazardous present at 3% or greater.

**16. OTHER INFORMATION:**

HMIS RATINGS:           Health   Flammability   Reactivity   Personal Prot  
                          2           1           0           B  
                          0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe  
                          B=Safety Glasses, Gloves

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

REASON FOR ISSUE.....: Added product Code, Reviewed, Harmonized  
PREPARED BY.....: R. Ruppel-Kerr  
APPROVED BY.....: M. Patrick  
APPROVAL DATE.....: 06/14/2004  
SUPERSEDES DATE.....: 12/11/2002  
MSDS NUMBER.....: 34378

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