

**FIXCLEAN (READY FOR USE / 1+9)**

SUBID:00000005977

Version 1  
Revision Date 11-16-2005

Print Date 10/07/2006

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

Product name : FIXCLEAN (READY FOR USE / 1+9)  
 MSDS Number : 00000005977  
 Use of the Substance/Preparation : Cleansing product for developing machines  
 Product code : 37S2J  
 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**

Cleansing product for developing machines, mainly consisting of:

	<u>CAS-No.</u>	<u>Concentration [%]</u>
• Sodium hydroxide	1310-73-2	>= 1.0 - <= 5.0
• Water	7732-18-5	>= 80.0 - <= 100.0

**SECTION 3. HAZARDS IDENTIFICATION**

This hazard information is for the individual ingredients.

**Emergency Overview**

Form : Liquid  
 Colour : Colourless  
 Odour : Odourless

**DANGER !**

Corrosive.

Causes respiratory tract burns. May cause skin burns. Causes eye burns.

**Potential Health Effects**

Primary Routes of Entry : Eye contact. Skin contact. Inhalation of vapours or mists.  
 Accidental ingestion.

**Acute health effects**
**Inhalation**

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- Sodium hydroxide : Can be irritating to the mucous membranes and respiratory tract with symptoms of coughing, sore throat and shortness of breath.

**Skin contact**

- Sodium hydroxide : Can be severely irritating to the skin resulting in burning, reddening, swelling and blisters.

**Eye contact**

- Sodium hydroxide : Can be severely irritating and corrosive to the eyes resulting in burning, reddening, swelling of the eye and surrounding tissue and possibly permanent injury to the cornea.

**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 : Not relevant.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : All extinguishing media are suitable.
- 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 8.
- 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 container. Prevent release into the drain, soil or surface water.
- Additional advice : Wash away residues with plenty of water.

**SECTION 7. HANDLING AND STORAGE****Handling**

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

**Storage**

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Advice on common storage : Store away from strong acids.  
 Requirements for storage : Keep container tightly closed. Protect from direct sunlight.  
 areas and containers

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Limit Values (US)**

Components	CAS-No.	Values	Type	Revision Date	Basis
Sodium hydroxide	1310-73-2	2 mg/m3	CEIL	2002	ACGIH
		2 mg/m3	PEL	06 1993	OSHA Z1
		2 mg/m3	CEIL	1989	OSHA Z1A

**Exposure controls**

Hygiene measures : Observe normal precautions when handling chemicals. Keep away from foodstuffs, drinks and tobacco.

Respiratory protection : Under normal conditions of use, respirator protection is not required. If respirators are used, institute a program in accordance with OSHA standard 29CFR10110.134.

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 goggles.

Personal protective equipment : Employees should wash their hands and face before eating, drinking, or using tobacco products.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : Liquid

Colour : Colourless

Odour : Odourless

Vapour pressure : 23.00 hPa at 20 °C (68 °F)

Relative density : 1.041 at 20 °C (68 °F)

pH (25 °C, 77 °F) : > 13.0

Melting point/range : < 0 °C (< 32 °F)

Boiling point/range : > 100 °C (> 212 °F)

Relative vapour density : Not applicable

Flash point : 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 use.

Hazardous decomposition : Hazardous decomposition products

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products : None  
Thermal decomposition : Not applicable  
Conditions to avoid : Avoid contact with strong acids. 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:

**Acute oral toxicity**

- Sodium hydroxide : LDLO rabbit 500 mg/kg

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Ecotoxicity data specific for individual ingredients in their pure state:

**Toxicity to fish**

- Sodium hydroxide : Species: Leuciscus idus (golden orfe)  
LC50: > 133 mg/l/ 48 h

**Toxicity to daphnia**

- Sodium hydroxide : Species: Daphnia magna (water flea)  
EC50: > 100 mg/l/ 48 h

**Further information on ecology**

Biochemical oxygen demand : 18 mg/l  
within 5 days (BOD5)  
Chemical Oxygen Demand : 600 mg/l  
(COD)

**SECTION 13. DISPOSAL CONSIDERATIONS****Waste disposal methods**

Environmental regulations, discharge of chemicals and washwater, waste treatment and disposal conditions of chemicals and their packaging may vary from one country to another. The relevant local regulations should be consulted. When this product or its contaminated packaging has to be removed as waste, contact an authorized waste contractor. May be discharged to drain if local regulations permit.

**US. RCRA Hazardous Waste Classification (40 CFR 261)**

When discarded in its purchased form, this product meets the criteria of corrosivity, and should be managed as a hazardous waste (EPA Hazardous Waste Number D002).

**SECTION 14. TRANSPORT INFORMATION**

Not dangerous cargo. Keep separated from food- and drinkstuffs.

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

**US. SARA 311/312 Hazard Categories**

Immediate Health Hazard.

**US. EPA CERCLA Hazardous Substances (40 CFR 302)**

- Sodium hydroxide : Reportable quantity: 1,000 lbs

**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 Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)**

- |                    | <u>CAS-No.</u> | <u>Concentration [%]</u> |
|--------------------|----------------|--------------------------|
| • Sodium hydroxide | 1310-73-2      | >= 1.0 - <= 5.0          |

**US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)**

- |                    | <u>CAS-No.</u> | <u>Concentration [%]</u> |
|--------------------|----------------|--------------------------|
| • Sodium hydroxide | 1310-73-2      | >= 1.0 - <= 5.0          |

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

- |                    | <u>CAS-No.</u> | <u>Concentration [%]</u> |
|--------------------|----------------|--------------------------|
| • Sodium hydroxide | 1310-73-2      | >= 1.0 - <= 5.0          |

**US. Rhode Island Hazardous Substances Right-to-Know Act (R.I. Gen. Laws Section 28-21-1 et. seq.)**

- |                    | <u>CAS-No.</u> | <u>Concentration [%]</u> |
|--------------------|----------------|--------------------------|
| • Sodium hydroxide | 1310-73-2      | >= 1.0 - <= 5.0          |

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

E : Corrosive Material

**Canadian Environmental Protection Act (CEPA)**

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

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**SECTION 16. OTHER INFORMATION**

**US. HMIS Rating**

Health	:	3
Flammability	:	0
Reactivity	:	0

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

**US. NFPA 704M Rating**

Health	:	3
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 427GRFU.002

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