

ND232 Developer

SUBID:000001007502

Version 1
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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Identification of the substance/preparation

Product name : ND232 Developer
 MSDS Number : 000001007502
 Use of the Substance/Preparation : Offset plate developer solution
 Product code : K1A7L, K9D7V, KWUV8, KWUWB, KXXFX, KZ99G, KX5JY, K1A4E, KXXBP
 Synonyms : Triton Blue 2 Step Developer, Image Works Blue 2 Step Developer, Gen America Developer, Aqueous Plate Developer (PRIMESOURCE)
 Business group : GS

KWUV8 φφφ
 # KZ996 φφφ

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 offset plate developer solution, mainly consisting of:

	<u>CAS-No.</u>	<u>Concentration [%]</u>	
• 2-Phenoxyethanol	122-99-6	>= 1.0	<= 5.0
• Nonanoic acid	112-05-0	>= 1.0	<= 5.0
• dodecylbenzenesulphonic acid, sodium salt	25155-30-0	>= 1.0	<= 5.0
• Water	7732-18-5	>= 80.0	<= 100.0
• Pentapotassium triphosphate	13845-36-8	>= 1.0	<= 5.0

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 : Colourless.
 Odour : Nearly odourless

WARNING !

May cause respiratory tract burns. May cause skin irritation. Causes eye irritation. Maybe Harmful if swallowed.

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 impaired pulmonary function may be more susceptible to the effects of this product.

Acute health effects

Inhalation

- 2-Phenoxyethanol : May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose. May cause nervous system effects which can include symptoms of dizziness, incoordination, headache, numbness, and/or confusion.
- Nonanoic acid : Can be irritating to the mucous membranes and respiratory tract with symptoms of coughing, sore throat and shortness of breath. May cause pulmonary edema with symptoms of breathing difficulty and tightness of chest.
- dodecylbenzenesulphonic acid, sodium salt : May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

Skin contact

- 2-Phenoxyethanol : Slightly toxic by skin absorption.
- Nonanoic acid : Can be irritating to the skin with symptoms of reddening, itching, and swelling.
- dodecylbenzenesulphonic acid, sodium salt : May be irritating to the skin with symptoms of reddening and itching.

Eye contact

- 2-Phenoxyethanol : Can be irritating to the eyes with symptoms of reddening, itching, stinging, and swelling. May cause corneal injury.
- Nonanoic acid : Can be irritating to the eyes with symptoms of reddening, itching, stinging, and swelling.
- dodecylbenzenesulphonic acid, sodium salt : Can be irritating to the eyes with symptoms of reddening, itching, stinging, and swelling.

Ingestion

- 2-Phenoxyethanol : May be harmful if swallowed.

Chronic health hazards

Ingestion

- 2-Phenoxyethanol : May cause kidney damage. May cause Liver damage

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

SECTION 7. HANDLING AND STORAGE

Storage

Requirements for storage areas and containers	:	Keep container tightly closed. Protect from direct sunlight.
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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 ≥ 0.36 mm, breakthrough time > 480 min), nitrile rubber (thickness ≥ 0.38 mm, breakthrough time > 480 min) or neoprene (thickness ≥ 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	:	Colourless.
Odour	:	Nearly odourless
Relative density	:	1.035 at 20 °C (68 °F)
pH (25 °C, 77 °F)	:	9.0
Melting point/range	:	< 0 °C (< 32 °F)
Boiling point/range	:	> 100 °C (> 212 °F)
Flash point	:	> 93.33 °C (> 199.99 °F)
		Not combustible.
VOC content	:	4.0 % VOC content excluding water

SECTION 10. STABILITY AND REACTIVITY

Stability	:	The product is stable under normal conditions of storage and use.
Hazardous decomposition products	:	Hazardous decomposition products None

Thermal decomposition : Not applicable

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity data specific for individual ingredients in their pure state:

Acute oral toxicity

- 2-Phenoxyethanol : LD50 rat 1,260 mg/kg
- Nonanoic acid : LD50 rat > 5,000 mg/kg

Acute dermal toxicity

- 2-Phenoxyethanol : LD50 rabbit 14,422 mg/kg
- Nonanoic acid : LD50 rat > 2,000 mg/kg

Other information

Hazard labelling of this preparation: see section 15.

SECTION 12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradation

- 2-Phenoxyethanol : OECD 301D Assessment of biological degradability > 90 % after 28 d

Ecotoxicity effects

Ecotoxicity data specific for individual ingredients in their pure state:

Toxicity to fish

- 2-Phenoxyethanol : Species: *Leuciscus idus* (golden orfe)
LC50: > 220 mg/l/ 96 h
- Nonanoic acid : Species: *Pimephales promelas* (fathead minnow)
LC50: 104 mg/l/ 96 h

Toxicity to daphnia

- 2-Phenoxyethanol : Species: *Daphnia magna* (water flea)
EC50: > 500 mg/l/ 48 h

Toxicity to algae

- 2-Phenoxyethanol : Species: *Scenedesmus subspicatus* (algae)
EC50: > 500 mg/l/ 72 h

Toxicity to bacteria

- 2-Phenoxyethanol : Species: *Pseudomonas putida* (bacteria)
EC50: 880 mg/l/ 17 h
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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

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. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

- 2-Phenoxyethanol : De minimis concentration: 1.0 %
- : Reportable threshold: 10,000 lbs
- : Reportable threshold: 25,000 lbs

US. EPA CERCLA Hazardous Substances (40 CFR 302)

- dodecylbenzenesulphonic acid, sodium salt : 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. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

- | | <u>CAS-No.</u> | <u>Concentration [%]</u> |
|--------------------|----------------|--------------------------|
| • 2-Phenoxyethanol | 122-99-6 | >= 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> |
|--------------------|----------------|--------------------------|
| • 2-Phenoxyethanol | 122-99-6 | >= 1.0 - <= 5.0 |

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

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 E183.003

Section(s) changed compared to the previous issue: 2, 7, 8, 9, 16

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