

NEED A PRODUCT THAT WORKS AND HAS A pH UNDER 10?



Do you have certain environmental restrictions in your facility when cleaning your flexographic equipment? Are you required to only use products within a certain pH range? Many companies are trying to reduce their in-plant environmental hazards as much as possible. This is why we developed Flexo Shine™ Lo pH. Undiluted, it has a pH of 9.8. We use advanced chemistry to help maintain an acceptable pH for cleaning, yet maintain pH levels between a pH of 9 and 10 when cleaning. Yes, even when diluted!!! Our water-based, biodegradable formula will not interfere with your in-house water treatment system and will help keep your equipment clean.

- Undiluted pH of 9.8
- Diluted pH between 9.4 and 9.8
- For Removing Water-Based Inks
- Suspends and Emulsifies Ink Quickly
- Readily Biodegradable
- Concentrated For Cost Effectiveness



Use Lo pH by Flexo Shine™ to maintain compliance with pH requirements in your plant. With a pH of 9.8 undiluted, there is no other product at that pH who can beat it!



FLEXO SHINE™



LO PH TECHNICAL DATA

GLOBAL HARMONIZATION



WARNING

Causes serious eye irritation.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local, state, and federal rules.

P405 Store locked up.

PERSONAL PROTECTION

- Safety Glasses
- Nitrile Gloves
- Use with general ventilation.

PHYSICAL PROPERTIES

- pH Neat: 9.8
- Color: Clear
- Specific Gravity: 1.6 g/ml
- Odor: Light Sweet Odor
- Total VOC: < 25 g/L
- Flash Point: Does Not Flash

DOT SHIPPING INFORMATION

Not Regulated by D.O.T.

OTHER REGULATORY

- SARA Title III Reportable Materials:
NONE



LO PH INSTRUCTIONS

1. Dilute Lo pH with water. Mix 1 part Lo pH with 6 parts water.
2. Apply to ink or flush through press system.
3. Allow to sit for at least 2 minutes, or run your flush cycle for at least 2 minutes.
4. For best results, use warm water (90F to 120F).
5. Rinse or wipe clean.



LO PH FIRST AID

FIRST AID- INGESTION: Drink two large glasses of water and seek medical attention. SKIN: Flush thoroughly with water and seek medical attention if irritation persists. EYES: Flush thoroughly with water and seek medical attention if irritation persists. INHALATION: Remove patient to fresh air and give artificial respiration. Never give anything by mouth to an unconscious person. If patient is not breathing, ADMINISTER FIRST AID TREATMENT LISTED ABOVE, THEN CALL 1-800-851-7145 ext. 875 OR CONTACT A PHYSICIAN FOR FURTHER MEDICAL INSTRUCTION.



FLEXO SHINE™

Flexo Shine Lo pH

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

- Product Name** • Flexo Shine Lo pH
- Product Formula** • 9121

RELEVANT IDENTIFIED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

- Relevant Use** • Water-Based Ink Cleaner Concentrate

SUPPLIER DETAILS

- Flexo Shine
PO Box 216
Nixa MO 65714
Ph: 417-434-6388
orders@flexoshine.com

SECTION 2: HAZARD IDENTIFICATION

United States (US) - According to OSHA 29 CFR 1920.1200 Hazard Communication Standard

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

- Hazard Classification** • Serious Eye Damage/Eye Irritation - 2A

LABEL ELEMENTS

- Signal Word and Pictogram** • Warning



HAZARD STATEMENTS

- H319 Causes serious eye irritation

PRECAUTIONARY STATEMENTS

- | | |
|----------------|--|
| P264 | Wash thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 | If eye irritation persists: consult a doctor. |

OTHER HAZARDS •



HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

SECTION 3: COMPOSITION INFORMATION ON

Chemical Identity	CAS	Percent Weight
None Reportable	141-43-5	

SECTION 4: FIRST AID MEASURES

- INHALATION** • If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Call a physician immediately.
- SKIN** • Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing before reuse.
- EYE** • Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician if irritation persists.
- INGESTION** • Do not induce vomiting. Never give anything by mouth to an unconscious person. Dilute by drinking two large glasses of water. Call a physician immediately.

SECTION 5: FIRE-FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA** • Use non-flammable or non-explosive extinguishing media.
- SPECIFIC HAZARDS** • No known unusual hazards in a fire or explosion situation.
- SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS** • In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- FOR NON-EMERGENCY PERSONNEL** • For non-emergency personnel, ventilate area of leak or spill and remove all ignition sources. Wear appropriate personal protective equipment as required to prevent any contamination of skin, eyes, and personal clothing. Isolate release area. Do not touch or walk through spilled material unless wearing the appropriate protective equipment. Keep unnecessary and unprotected personnel from entering.
- FOR EMERGENCY RESPONDERS** • For emergency responders, as an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. This product is not flammable. If container is on fire, stay out of smoke. Stay upwind. Ventilate

closed spaces before entering.

ENVIRONMENTAL PRECAUTIONS

- ACCIDENTAL RELEASE ENVIRONMENTAL**
- Stop leak if you can do it without risk. If possible, keep from entering into storm drains, surface water, or ground water. This product is biodegradable.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- CONTAINMENT AND CLEANUP**
- Contain and recover liquid when possible. Cover drains or cap spill when safe. Collect liquid in an appropriate container or absorb with an inert material (e.g. vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Small spills may be flushed to the sanitary sewer with approval from local authorities.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

- Protect against physical damage. No special storage requirements. Separate from incompatible materials such as strong acids or strong bases. Do not store in containers made from soft metals such as aluminum, magnesium, zinc, or galvanized steel.

CONDITIONS FOR SAFE STORAGE AND INCOMPATIBILITIES

- Protect against physical damage. No special storage requirements. Separate from incompatible materials such as strong acids or strong bases. Do not store in containers made from soft metals such as aluminum, magnesium, zinc, or galvanized steel.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

Chemical Identity	CAS	TLV
None Reportable	141-43-5	3 ppm

APPROPRIATE ENGINEERING CONTROLS

- Use adequate ventilation systems as needed to maintain air concentrations below occupational exposure standards.

INDIVIDUAL PROTECTIONS MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

EYE / FACE PROTECTION

- Chemical safety glasses.

SKIN PROTECTION

- None required under normal, temporary use. For long periods of contact, nitrile gloves are recommended.

RESPIRATORY PROTECTION

- None required under normal use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear liquid.

Odor Slight sweet smell.

pH 9.8 neat

Lower Limits Not available.

Vapor Pressure Not available.

Vapor Density Not available.

Melting Freezing Point Not available.
Initial Boiling Point Not available.
Flash Point DNF
Evaporation Rate Not available.
Flammability Not available.
VOC (g/L) <25 g/L

Relative Density 1.06 g/ml
Solubility Miscible with water.
Partition Coefficient Not available.
Auto Ignition Temp Not available.
Decomposition Temp Not available.
Viscosity Not available.

SECTION 10: STABILITY AND REACTIVITY

- Reactivity** • No dangerous reaction known under conditions of normal use.
- Chemical Stability** • Stable under normal temperatures and pressures.
- Possibility of Haz Rxns** • Will not occur.
- Conditions to Avoid** • No unusual conditions.
- Incompatible Materials** • Do not mix with strong acids or bases. Do not mix with any other chemical unless instructed to do so by the manufacturer.
- Hazardous Decomposition** • In case of fire, oxides of carbon, hydrocarbons, fumes or vapors, soot, and smoke may be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

- Acute Toxicity** No specific information available for mixture.
- Skin Corrosion/Irritation** No specific information available for mixture.
- Serious Eye Damage/Irritation** No specific information available for mixture.
- Respiratory or Skin Sensitization** No specific information available for mixture.
- Germ Cell Mutagenicity** No specific information available for mixture.
- Carcinogenicity** No specific information available for mixture.
- Reproductive Toxicity** No specific information available for mixture.
- STOT Single Exposure** No specific information available for mixture.
- STOT Repeated Exposure** No specific information available for mixture.
- Aspiration Hazard** No specific information available for mixture.

Target Organs Skin.

Routes of Entry Exposure Ingestion, inhalation, skin, eye. Ingestion, inhalation, skin, eye.

POTENTIAL HEALTH EFFECTS

- INHALATION ACUTE** • May irritate nose, throat and lungs with continuous, non-interrupted use.
- INHALATION CHRONIC** • Vapors or mists may aggravate pre-existing lung conditions.
- SKIN ACUTE** • May cause irritation. Prolonged exposure may cause redness or pain. and should be avoided.
- SKIN CHRONIC** • Sensitivity of the skin may occur with repeated, prolonged exposure.
- EYE ACUTE** • May cause redness, tearing, swelling and pain. Prolonged exposure to eyes should be avoided.
- EYE CHRONIC** • No data available.
- INGESTION ACUTE** • May irritate gastrointestinal tract. Ingestion of large amounts may cause nausea, vomiting and diarrhea.

INGESTION CHRONIC • No data available.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY • Not enough information on the mixture is available.

PERSISTENCE & BIODEGRADABILITY • Not enough information on the mixture is available. The components of the mixture are determined as either readily biodegradable or inherently biodegradable. It is

BIOACCUMULATIVE POTENTIAL • Not enough information on the mixture is available.

MOBILITY IN SOIL • Not enough information on the mixture is available.

OTHER ADVERSE EFFECTS • Not enough information on the mixture is available.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS • Small amounts of product may be disposed into a sanitary sewer, where allowed by local authorities. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14: TRANSPORT INFORMATION

TRANSPORT ENVIRONMENTAL HAZARDS • Not regulated by D.O.T.
• None known.

SPECIAL PRECAUTIONS • None known.

SECTION 15: REGULATORY INFORMATION

SARA TITLE III INFORMATION

Chemical Identity	CAS / CAT CODE	PERCENT WT
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None Reportable

OTHER REGULATORY INFORMATION

- **TSCA (Toxic Substance Control Act):** All ingredients of this product are listed active on the TSCA inventory.
- **CARCINOGENICITY:** Not listed by IARC, NTP, or OSHA.
- **CALIFORNIA PROPOSITION 65:** This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins which would be subject to the proposition.

SECTION 16: OTHER INFORMATION

Last Revision Date 01/26/2024

Date Prepared 08/30/2018

KEY TO ABBREVIATIONS

N/E = Not Established. CAS = Chemical Abstract Service. ppm = Parts Per Million
g/L = Grams per Liter mg/m³ = milligrams per cubic meter

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