

# Remove Ink Buildup Without a Trace.



Formulated specifically for automated cabinet wash machines, Flexo Shine™ Low Foam™ emulsifies ink on contact, safely removing all traces of ink from your flexographic printing press parts with each wash. Ink buildup in wash sumps is a common problem, which leads to foam that damages your expensive press parts. To find an effective yet economical solution, Flexo Shine set out to create a foam-fighting emulsifier for water-based inks. The resulting Low Foam formula contains a special non-silicone defoamer that thoroughly, safely cleans your printing press components without subverting your printing process.

The readily biodegradable Low Foam formula also contains detergents proven to quickly remove built-up ink contaminants while its rust inhibitors prevent your wash machine and other metal parts from corroding. Provided in concentrated form, Low Foam is the smart solution for your automated washing needs.

The benefits Low Foam provides are unmistakable:

- Designed for automatic wash machines
- Created with readily biodegradable formula
- Contains non-silicone defoamer
- Removes flexographic ink quickly and thoroughly
- Contains rust inhibitors to preserve equipment
- Concentrated for cost effectiveness

Proudly Made in America



*Flexo Shine Low Foam is the powerful, environmentally friendly press wash that won't damage your automated cabinet wash machine.*

*Also works on UV inks.*



**FLEXO SHINE™**



## LOW FOAM TECHNICAL DATA

### GLOBAL HARMONIZATION

#### WARNING! (EXCLAMATION SYMBOL)

Causes serious eye irritation. Causes skin irritation.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P264 Wash thoroughly after handling.

P261 Avoid breathing dust/fumes/gas/mist/vapour/spray.

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physical.

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

P321 IF ON SKIN: Wash with plenty of soap and water.

P331 Do NOT induce vomiting.

P333+313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

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

### PERSONAL PROTECTION

For your safety, we recommend these precautions when using Low Foam:

- Safety glasses
- Nitrile gloves
- General ventilation

### PHYSICAL PROPERTIES

The Low Foam formula results in safe physical properties:

- pH Neat: 12.88
- Specific Gravity: 1.11 g/ml
- Total VOC: 150 g/L
- Color: Clear
- Odor: Light Sweet Odor
- Flash Point: Does Not Flash

### DOT SHIPPING INFORMATION

Not regulated by DOT

### OTHER REGULATORY

Low Foam contains these SARA Title III reportable materials:

- Glycol Ethers N230 <6%
- Sodium Nitrite 7632-00-0 <4%



## LOW FOAM INSTRUCTIONS

Low Foam is an aggressive organic-based cleaner for oil and water-based ink, so it's important to follow these instructions for use:

1. Add Low Foam to your wash machine sump at a dilution rate of 1 part Low Foam to 12 parts water.
2. Operate wash machine at temperatures above 120F and no higher than 212F.  
Important: Because this product is heat activated, wash water temperatures must be above 120F before defoaming will occur.
3. Cycle wash machine for 5 to 15 minutes, depending on soil load on press parts.
4. Remove parts from wash cabinet. Although not required, rinsing parts after washing will help remove any residuals.



## LOW FOAM FIRST AID

### SHOULD YOU NEED TO PERFORM FIRST AID RELATED TO LOW FOAM, WE RECOMMEND THE FOLLOWING:

- 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.



# Lo Foam

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT IDENTIFIER

- Product Name • Lo Foam
- Product Formula • 9119

### RELEVANT IDENTIFIED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

- Relevant Use • Low Foaming Detergent Concentrate for Automatic Wash Machines

### 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 - 1  
Skin Corrosion/Irritation - 2

### LABEL ELEMENTS

- Signal Word and Pictogram • Danger  
Warning



### HAZARD STATEMENTS

- H318 Causes serious eye damage
- H315 Causes skin irritation

### PRECAUTIONARY STATEMENTS

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P264 Wash thoroughly after handling.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment for active ingredient poisoning is required.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

## OTHER HAZARDS •



HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

## SECTION 3: COMPOSITION INFORMATION ON

Chemical Identity	CAS	Percent Weight
Sodium Silicate	10213-79-3	<22
2-Butoxyethanol	111-76-2	<6
Sodium Nitrite	7632-00-0	<4
No other reportable hazardous materials.	N/A	

## 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** • No known unusual hazards in a fire or explosion situation.

**HAZARDS****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
Sodium Silicate	10213-79-3	N/E
2-Butoxyethanol	111-76-2	50 ppm

Sodium Nitrite

7632-00-0

N/E

No other reportable hazardous materials.

N/A

N/A

**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** Light sweet odor.**pH** 12.88 neat**Melting Freezing Point** Not available.**Initial Boiling Point** Not available.**Flash Point** >200F**Evaporation Rate** Not available.**Flammability** Not available.**VOC (g/L)** 150 g/L**Lower Limits** Not available.**Vapor Pressure** Not available.**Vapor Density** Not available.**Relative Density** 1.11 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.

<b>Carcinogenicity</b>	No specific information available for mixture.
<b>Reproductive Toxicity</b>	No specific information available for mixture.
<b>STOT Single Exposure</b>	No specific information available for mixture.
<b>STOT Repeated Exposure</b>	No specific information available for mixture.
<b>Aspiration Hazard</b>	No specific information available for mixture.

**Target Organs** Skin.

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

## POTENTIAL HEALTH EFFECTS

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

## SECTION 12: ECOLOGICAL INFORMATION

<b>TOXICITY</b>	• Not enough information on the mixture is available.
<b>PERSISTENCE &amp; BIODEGRADABILITY</b>	• Not enough information on the mixture is available. The components of the mixture are determined as either readily biodegradable or inherently biodegradable. It is
<b>BIOACCUMULATIVE POTENTIAL</b>	• Not enough information on the mixture is available.
<b>MOBILITY IN SOIL</b>	• Not enough information on the mixture is available.
<b>OTHER ADVERSE EFFECTS</b>	• Not enough information on the mixture is available.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>DISPOSAL CONSIDERATIONS</b>	• 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.
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## SECTION 14: TRANSPORT INFORMATION

<b>TRANSPORT ENVIRONMENTAL HAZARDS</b>	• Not regulated by D.O.T. • None known.
<b>SPECIAL PRECAUTIONS</b>	• None known.

## SECTION 15: REGULATORY INFORMATION

## SARA TITLE III INFORMATION

Chemical Identity	CAS / CAT CODE	PERCENT WT
Glycol Ethers	N230	<6
Sodium Nitrite	7632-00-0	<4

## 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/m<sup>3</sup> = milligrams per cubic meter

## LIABILITY DISCLAIMER

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