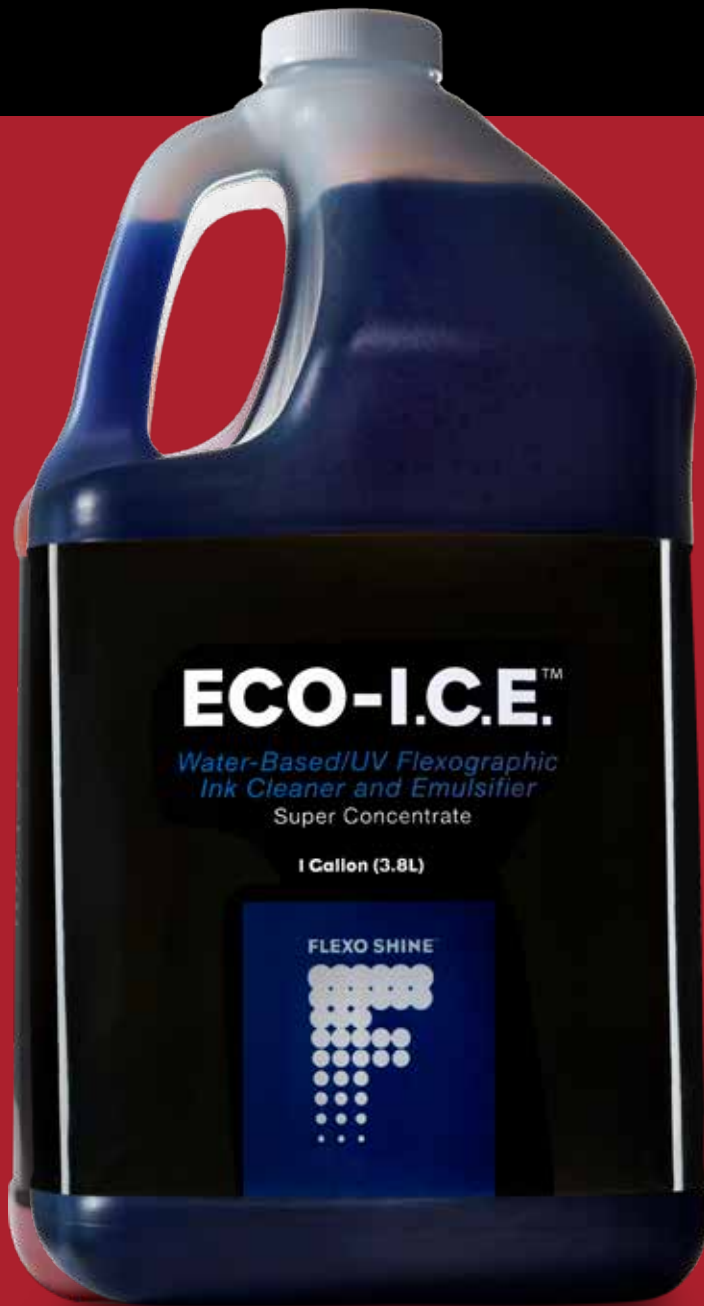


Perform a Disappearing Act.



A magic cleaner for anilox rolls? Nope. It's pure science: The unbelievably powerful yet caustic-free formula in ECO-I.C.E. Super Concentrate ensures quick emulsification, suspending ink and preventing re-deposits on anilox equipment. A multi-use solution, ECO-I.C.E. is a water-based ink cleaner that's perfect for your entire facility—from anilox rolls, doctor blades, and pans, to equipment and floors.

The reasons to use ECO-I.C.E. are clear:

- Circulates through presses at just pennies per use
- Improves printing quality
- Cleans deeper, faster
- Rewets and emulsifies dried ink on contact
- Reduces need for corrosive deep cleaners
- Maintains pH over 12.0 after dilution, readily removing ink
- Protects your equipment and, more importantly, your employees

Neither the planet nor your people will miss what ECO-I.C.E. is missing:

- Zero VOCs
- Zero phenols
- Zero caustic or corrosive chemicals
- Zero solvents
- Zero SARA Title III chemicals

Proudly Made in America



ECO-I.C.E. Super Concentrate is a water-based ink cleaner that's fast, effective, environmentally friendly, and super affordable.

Also works on UV inks.



FLEXO SHINE™



ECO-I.C.E. TECHNICAL DATA

PERFORMANCE BENEFITS

ECO-I.C.E. has unsurpassed benefits:

- Provides a non-caustic, non-phenol, and solvent-free solution
- Offers unbeatable performance
- Breaks down inks quickly—including UV inks
- Cleans deeply yet is safe for equipment, environment, and employees
- Improves print quality

- 1-Gallon (3.8L), 4/1 Case
- 5-Gallon (19L)
- 15-Gallon (57L)
- 55-Gallon (209L)
- 275-Gallon Tote (1045L)

SHIPPING INFORMATION
Not regulated by the DOT

PHYSICAL PROPERTIES

The A.C.E. formula leads to safe physical properties:

- pH Neat: 12.58
- Color: Blue
- Specific Gravity: 1.104
- Odor: Little to none
- Total VOC: 0 g/L
- Weight: 9.2 lbs.

AVAILABLE SIZES

ECO-I.C.E. is available in five commonly requested sizes:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B



ECO-I.C.E. INSTRUCTIONS

USE INSTRUCTIONS FOR PRESS WASH

Using ECO-I.C.E. as a press wash (for circulation cleaning), is a three-step process:

1. Dilute the ECO-I.C.E. concentrate with water for a dilution of 24:1 to 30:1 parts water.
2. Circulate the diluted ECO-I.C.E. through the press for at least 10 minutes.
3. Rinse the press with fresh water.

USE INSTRUCTIONS FOR HEAVY-DUTY SPOT CLEANER

Dilute 16:1 parts water and apply directly to dried ink. Wipe with damp cloth.



ECO-I.C.E. FIRST AID

ECO-I.C.E. FIRST AID

Should you need to perform first aid related to ECO-I.C.E, 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.

Eco Ice Concentrate

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

- Product Name** • Eco Ice Concentrate
- Product Formula** • 9108

RELEVANT IDENTIFIED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

- Relevant Use** • Water-based ink detergent 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
Skin Corrosion/Irritation - 2

LABEL ELEMENTS

- Signal Word and Pictogram** • Warning
Warning



HAZARD STATEMENTS

- H315 Causes skin irritation
- H319 Causes serious eye irritation

PRECAUTIONARY STATEMENTS

- P264 Wash thoroughly after handling.
- P264 Wash thoroughly after handling.

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.
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
Sodium Silicate	10213-79-3	<12
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

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** Dark blue liquid.**Odor** Neutral odor.**pH** 12.4 to 12.7 neat**Melting Freezing Point** Not available.**Initial Boiling Point** Not available.**Flash Point** Does not flash.**Evaporation Rate** Not available.**Flammability** Not available.**VOC (g/L)** 0 g/ml**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.**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.
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SECTION 14: TRANSPORT INFORMATION

TRANSPORT ENVIRONMENTAL HAZARDS	• Not regulated by D.O.T or by I.A.T.A. • None known.
SPECIAL PRECAUTIONS	• None known.

SECTION 15: REGULATORY INFORMATION

SARA TITLE III INFORMATION

Chemical Identity

CAS / CAT CODE PERCENT WT

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 03/30/2022

Date Prepared 10/05/2018

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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