

MATERIAL SAFETY DATA SHEET

X-3 developer

MSDS DATE: 01/15/14

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: X-3 Developer

PRODUCT CODES: X-3 Developer

MANUFACTURER: Anocoil Corporation

ADDRESS: 60 East Main Street, PO Box 1318
Rockville, CT 06066

EMERGENCY PHONE: 860-871-1200
CHEMTREC PHONE: 800-424-9300
OTHER CALLS: Chemtrec outside US: 703-527-3887
FAX PHONE: 860-872-0534

CHEMICAL FAMILY: Subtractive developer solution
CHEMICAL FORMULA:

PRODUCT USE: Removal of the non-image area coating of Anocoil negative working lithographic printing plates.

PREPARED BY: William Ryan

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

****** HAZARDOUS INGREDIENTS ******

Ingredient name/ CAS Number	Exposure Limits	Concentration	SARA 313 Reportable
*Benzyl Alcohol 100-51-6	OSHA PEL-TWA: None Established ACGIH TLV-TWA: None Established WEEL TWA : 10 ppm AIHA TWA : 44.2 mg/m3	10% - 15%	No
*Anionic Surfactant Trade secret	OSHA PEL-TWA: None Established ACGIH TLV-TWA: None Established	10% - 20%	No
**Sodium Sulfite 7757-83-7	OSHA PEL-TWA: None Established ACGIH TLV-TWA: None Established	0.5% - 1%	No

Section 2 Comments:

*Benzyl Alcohol and Anionic Surfactant: No component of either of these products present at levels greater than or equal to 0.1% is identified as a carcinogen or possible carcinogen by IARC, ACGIH, NTP or OSHA.

**Sodium Sulfite : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA, NTP or ACGIH. IARC lists it as being in Group 3 which means it is not classifiable as to its carcinogenicity to humans.

SECTION 3: HAZARDS IDENTIFICATION

This product as a whole has not been tested. This hazard information is for the individual ingredients.

EMERGENCY OVERVIEW:

May cause eye and skin irritations.
May be harmful if swallowed

ROUTES OF ENTRY: Eye and skin contact, accidental ingestion

POTENTIAL HEALTH EFFECTS

INHALATION: Short term harmful effects are not expected from vapor generated at ambient temperature.

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SKIN CONTACT: May cause moderate skin irritation.

EYE CONTACT: May cause moderate eye irritation.

INGESTION: Immediate first aid is not likely required. A physician or poison control center can be contacted for advice.

CARCINOGENICITY: The components of this product are not listed by NTP, IARC or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with pre-existing eye, skin or respiratory tract disorders may be more susceptible to the effects of this product.

SECTION 4: FIRST AID MEASURES

FIRST AID FOR EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

FIRST AID FOR SKIN:

Immediately wash thoroughly with soap and water. If skin irritation persists, consult a doctor.

FIRST AID FOR INHALATION:

If difficulty in breathing occurs, call a physician.

FIRST AID FOR INGESTION:

If swallowed, drink water, call a physician.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT:

Noncombustible

EXTINGUISHING MEDIA:

Material is not combustible. Use extinguishing media suitable for other combustible materials in the area.

SPECIAL FIRE FIGHTING PROCEDURES:

Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Use water to cool fire-exposed containers. Dike and collect water used to fight fire.

UNUSUAL FIRE / EXPLOSION HAZARDS:

When heated to decomposition emission of fumes of SO₂ is possible

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES:

Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dike Spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, oil dry or other absorbent material.

SECTION 7: HANDLING AND STORAGE

STORAGE TEMPERATURE(MIN/MAX):

Store between 40 F (4.4 C) and 80 F (26 C). Preferred storage is at 68 F (20 C).

Special Sensitivity: Keep from freezing.

SHELF LIFE: N.A.

HANDLING/STORAGE PRECAUTIONS:

Avoid eye and skin contact, and store in well-ventilated area. Keep container tightly closed. Do not store with incompatible materials. Do not store or consume food, drink or tobacco in area where they may become contaminated with this material. For incompatibles see section 10.

OTHER NOTES: Keep out of the reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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PROTECTIVE CLOTHING REQUIREMENTS:

Good industrial practices such as safety glasses and protective gloves are recommended..

VENTILATION REQUIREMENTS:

No Ventilation is required. However, it is always good practice to provide natural or mechanical ventilation to minimize exposure.

RESPIRATOR REQUIREMENTS:

None expected to be needed.

ADDITIONAL PROTECTIVE MEASURES:

Emergency showers and eye wash stations should be made available. Educate and train employees in the safe use and handling of this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Liquid
COLOR:	Amber
ODOR:	Mild
pH:	Approx. 7.75 +/- 0.25
BOILING POINT:	Approx. 212 F (100 C)
MELTING/FREEZING POINT:	Less than 32 F (0 C)
SOLUBILITY IN WATER:	Soluble
SPECIFIC GRAVITY:	Approx. 1.17
BULK DENSITY:	Not Applicable
VAPOR PRESSURE:	Not Established

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	This is a stable material.
HAZARDOUS POLYMERIZATION:	Will not occur.
INCOMPATIBILITIES:	Acids will cause the Sodium Sulfite to break down and produce Sulfur Dioxide gas.
INSTABILITY CONDITIONS:	None Known
DECOMPOSITION PRODUCTS:	Oxides of sulfur

SECTION 11: TOXICOLOGICAL INFORMATION

NO ANIMAL TOXICITY INFORMATION AVAILABLE

SECTION 12: ECOLOGICAL INFORMATION

NO ECOLOGICAL INFORMATION AVAILABLE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

This material is classified as being non hazardous. However, state and local regulations should be consulted before disposal..

SECTION 14: TRANSPORT INFORMATION

This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

PRODUCT LABEL: X-3 Developer

PROPER SHIPPING NAME: X-3 Developer

HAZARD CLASS OR DIVISION:	Non Hazardous
UN/NA NUMBER:	N/A
PACKING GROUP:	N/A
DOT PRODUCT RQ lbs (kgs):	None
HAZARD LABEL(s):	N/A
HAZARD PLACARD(s):	N/A

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Not classified as Hazardous in the meaning of transport regulations

PROPER SHIPPING NAME: X-3 Developer

SECTION 15: REGULATORY INFORMATION

OSHA STATUS: Non Hazardous

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TSCA STATUS: On TSCA Inventory

CERCLA REPORTABLE QUANTITY: No CERCLA Reportable Quantity has been established for this material.

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARD CATEGORIES: None

SECTION 313 TOXIC CHEMICALS: None

RCRA STATUS:

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.

COMPONENT NAME	CAS NUMBER	CONCENTRATION	STATE CODE
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NJ4 = New Jersey Other - included in 5 predominant ingredients > 1%

PA3 = Pennsylvania Non-hazardous present at 3% or greater.

SECTION 16: OTHER INFORMATION

HMIS RATINGS:

Health	Flammability	Reactivity	Personal Protection
2	0	0	B

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

B=Safety Glasses, Gloves

National Fire Protection Association Ratings:

Health	Flammability	Reactivity	Special Precautions
2	0	0	None

Protective Equipment: Gloves and splash goggles

Anocoil Corporation's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS ratings are provided by Anocoil as a customer service.

REASON FOR ISSUE: Establish MSDS

PREPARED BY: William Ryan

DATE: 5/24/11

REVISED: 01/15/14

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