

SAFETY DATA SHEET

Issuing Date: 11-Mar-2015

Version 1

Autex Fixer - Fresh Scent

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Autex Fixer - Fresh Scent

Product code 23116-FSB

Product Use X-ray processing.

Manufactured by

FUJIFILM Hunt Chemicals U.S.A., Inc.
40 Boroline Road
Allendale, NJ 07401-0320

MSDS are available at the following website(s): <http://www.fujifilmusa.com/msds>

Company Phone Number U.S.A: 800-473-3854

Emergency Telephone Transport-CHEMTREC Inside NA: 800-424-9300
Transport CHEMTREC Outside NA: 703-527-3887
Transport-CANUTEC Inside Canada: 613-996-6666
Medical Emergency (24 hour): 877-935-7387

E-mail EHS@fujifilm.com

2. HAZARDS IDENTIFICATION

Classification

Serious eye damage/eye irritation	Category 1
Corrosive to metals	Category 1

GHS Label elements, including precautionary statements

Danger

Hazard Statements

Causes serious eye damage
May be corrosive to metals



Precautionary Statements**Prevention**

Wear eye/face protection
Keep only in original container

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
Absorb spillage to prevent material damage

Storage

Store in corrosive resistant polyethylene container with a resistant inner liner

Disposal

Not applicable

Hazards not otherwise classified (HNOC)

Not classified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
ALUMINUM SULFATE	10043-01-3	10-20%

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice	Do not get in eyes, on skin, or on clothing. If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 30 minutes. Keep eye wide open while rinsing. Do not rub affected area. Seek immediate medical attention/advice.
Skin contact	Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	If swallowed, do not induce vomiting - seek medical advice.

Most important symptoms/effects, acute and delayed

Burning feeling and temporary redness.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None known.

Specific hazards arising from the chemical

None known.

Explosion Data

Sensitivity to Mechanical Impact none

Sensitivity to Static Discharge none

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid contact with skin, eyes or clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protective equipment. Cover liquid spill with sand, earth or other noncombustible absorbent material. Do not use steel or aluminum tools or equipment. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE**Precautions for safe handling**

Wear personal protective equipment. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA - Workplace Environmental Exposure Levels (WEELs) - TWAs
ALUMINUM SULFATE		(vacated) TWA: 2 mg/m ³ Al Aluminum	TWA: 2 mg/m ³ Al	

Exposure controls

Engineering Measures Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin and body protection Wear protective gloves/clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations When using do not eat, drink or smoke. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, Colorless	Odor	none
Odor Threshold	Not available	Physical State @20°C	Aqueous Solution
pH	3	Molecular Weight	Not available
Specific Gravity	1.21	Autoignition temperature	Not available
Flash point	201 °F / 94 °C	Boiling point / boiling range	Not available
Decomposition temperature	Not available	Freezing Point	Not available
Melting point / melting range	Not available	Explosive Property Details	Not available
Flammability Limit in Air	Not available	Partition coefficient	Not available
Oxidizing Properties	Not available	Vapor Pressure	Not available
Solubility	Soluble in water	Density	Not available
Evaporation rate	Not available	VOC (g/l)	0
Vapor density	Not available		
VOC (lb/gal)	0		
Dynamic viscosity	Not available		

10. STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Excessive heat. Freezing.

Incompatible Materials

Strong oxidizing agents. Metals.

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Acute toxicity	
Inhalation	Non-irritating during normal use.
Eyes	Corrosive to the eyes and may cause severe damage including blindness.
Skin	Non-irritating during normal use.
Ingestion	Ingestion may cause stomach discomfort.

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
ALUMINUM SULFATE	> 5000 mg/kg (Rat)		

Information on toxicological effects

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation	Severe eye irritant.
Corrosivity	Corrosive to eyes.
Sensitization	No information available.
Mutagenic Effects	No information available.
Reproductive Toxicity	No information available.
Carcinogenicity	None known.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target Organ Effects Eyes, Respiratory system, Skin.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 29141 mg/kg

ATE: Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

Contains no substances known to be hazardous to the environment or that are not degradable in wastewater treatment plants

Persistence and degradability

No information available.

Bioaccumulation

No information available

Mobility

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Dispose of in accordance with local regulations.

Contaminated packaging

Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Limited Quantity, Exempt from shipping papers

TDG

Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE)
UN/ID No UN3264
Hazard Class 8
Packing Group III
Description UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE), 8, III

MEX

Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE)
UN/ID No UN3264
Hazard Class 8
Packing Group III
Description UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE), 8, III

ICAO

Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE)
UN/ID No UN3264
Hazard Class 8
Packing Group III
Description UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE), 8, III

IATA

Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE)
UN/ID No UN3264
Hazard Class 8
Packing Group III
Description UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE), 8, III

IMDG

Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE)
UN/ID No UN3264
Hazard Class 8
Packing Group III
EmS-No F-A, S-B
Description UN3264, Corrosive liquid, acidic, inorganic, n.o.s (ALUMINUM SULFATE), 8, III, Ltd. Qty

ADR/RID

Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE)
UN/ID No UN3264
Hazard Class 8
Packing Group III
Classification Code C1
Description UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE), 8, III
ADR/RID-Labels 8

ADN

Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE)
UN/ID No UN3264
Hazard Class 8
Packing Group III

Classification Code	C1
Description	UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (ALUMINUM SULFATE), 8, III
Hazard Labels	8
Limited quantity	5 L

15. REGULATORY INFORMATION

International Inventories

TSCA	Yes
DSL/NDSL	Yes
PICCS	Yes
EINECS/ELINCS	Yes
ENCS	No
IECSC	Yes
KECL	Yes
AICS	Yes

***Yes - All component(s) of this product are included or are exempt from listing on the inventory.**

***No - Indicates the component(s) of this product are either not listed or have not been determined to be listed on the inventory.**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

TSCA Sections 4, 5 and 12(b)

This product does not contain any chemicals regulated by TSCA Sections 4, 5 or 12(b).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
ALUMINUM SULFATE	5000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
ALUMINUM SULFATE	5000		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
ALUMINUM SULFATE	X	X	X		

International Regulations**Canada - NDSL**

This product does not contain any NDSL chemicals.

Mexico - Grade

Slight risk, Grade 1

Mexico - Carcinogen Status and Exposure Limits

Chemical Name	Carcinogen Status	Exposure Limits
ALUMINUM SULFATE		Mexico: TWA 2 mg/m ³

Other Regulations

No information available

16. OTHER INFORMATION

NFPA	Health Hazard 3	Flammability 1	Instability 0	Physical and chemical hazards -
HMIS	Health Hazard 3	Flammability 1	Physical Hazard 0	Personal protection C

Prepared By

FUJIFILM Environment, Health and Safety, phone: 800-473-3854

Revision Date

11-Mar-2015

Revision Note

No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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