

SAFETY DATA SHEET

Issuing Date: 11-Jun-2015

Version 3

K18000 Thinner/Fast Thinner

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name K18000 Thinner/Fast Thinner**Product code** K18000**Product Use** Viscosity modifier.**Manufactured by**FUJIFILM Manufacturing U.S.A., Inc.
20 West 14th Avenue
North Kansas City, MO. 64116 USA
Phone#: (913) 342-4060**Distributed in Canada by**FUJIFILM Canada, Inc.
600 Suffolk Ct.
Mississauga, Ontario L5R 4G4**MSDS are available at the following website(s):** <http://www.fujifilmusa.com/msds>**Company Phone Number** U.S.A: 800-473-3854 Canada: 800-263-5018**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

Specific target organ toxicity (repeated exposure)	Category 1
Flammable liquids	Category 3

GHS Label elements, including precautionary statements

Danger

Hazard StatementsCauses damage to organs through prolonged or repeated exposure
Flammable liquid and vapor



Precautionary Statements

Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 Keep container tightly closed
 Ground/Bond container and receiving equipment
 Use explosion-proof electrical/ventilating/lighting/equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Wear protective gloves/protective clothing/eye protection/face protection

Response

Get medical advice/attention if you feel unwell
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 In case of fire: Use CO₂, dry chemical, or foam for extinction

Storage

Store in a well-ventilated place. Keep cool

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not classified

Other hazards

May be harmful in contact with skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Methoxypropanol acetate	108-65-6	80-100%

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice	If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Skin contact	Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed

None known.

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

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO2). Dry chemical. Alcohol resistant foam.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Flammable. Will be easily ignited by heat, sparks or flames.

Explosion Data

Sensitivity to Mechanical Impact none

Sensitivity to Static Discharge Yes

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. Remove all sources of ignition. Avoid contact with skin, eyes or clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

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. Take precautionary measures against static discharges. Pay attention to flashback. Use only non-sparking tools. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA - Workplace Environmental Exposure Levels (WEELs) - TWAs
Methoxypropanol acetate				50 ppm TWA

Exposure controls

Engineering Measures Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.

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	Odor	sweet
Odor Threshold	Not available	Physical State @20°C	Liquid
pH	Not available	Molecular Weight	Not available
Specific Gravity	0.969	Autoignition temperature	Not available
Flash point	115 °F / 46 °C	Boiling point / boiling range	302 °F / 150 °C
Decomposition temperature	Not available	Freezing Point	Not available
Melting point / melting range	Not available		
Flammability Limit in Air			
upper 10.8			
Lower 1.5			
Oxidizing Properties	Not available	Explosive Property Details	Not available
Solubility	Soluble in water	Partition coefficient	Not available
Evaporation rate	Not available	Vapor Pressure	3.0 mmHg @ 20 °C
Vapor density	Not available	Density	Not available
Weight per Gallon (lbs)	8.063	Actual VOC (lb/gal)	8.063
VOC (lb/gal)	Not available	VOC (g/l)	Not available
Dynamic viscosity	Not available		

VOC Content of Material 968 grams per liter

VOC Content of Coating less Water and Exempt Solvents 968 grams per liter

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

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity. Heat, flames and sparks.

Incompatible Materials

Strong oxidizing agents, strong acids, and strong bases. Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Acute toxicity

Inhalation
Eyes
Skin
Ingestion

Inhalation of vapors in high concentration may cause irritation of respiratory system.
Vapor may cause irritation.
Substance may cause slight skin irritation.
May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
Methoxypropanol acetate	= 8532 mg/kg (Rat)	> 5 g/kg (Rabbit)	5321 mg/m ³

Information on toxicological effects

No information available.

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

Irritation Non-irritating during normal use.
Corrosivity No information available.
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 Causes damage to organs through prolonged or repeated exposure.

Target Organ Effects None known.

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) 8532 mg/kg
ATEmix (dermal) 2500 mg/kg

ATE: Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae toxicity	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Methoxypropanol acetate		Pimephales promelas: 161 mg/L at 96 h		

Persistence and degradability

No information available.

Bioaccumulation

Chemical Name	Octanol Water Partition Coefficient (log pow)
Methoxypropanol acetate	0.43

Mobility

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with all applicable national environmental laws and regulations. Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging

Do not re-use empty containers.

US EPA Waste Number

D001

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Description	UN1210, Printing ink related material, 3, PGIII
Emergency Response Guide Number	129
Packaging Exceptions	150
Non-bulk Packaging	173
Bulk Packaging	242

TDG

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Description	UN1210, Printing ink related material, 3, PGIII

MEX

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Description	UN1210, Printing ink related material, 3, III

ICAO

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Description	UN1210, Printing ink related material, 3, PGIII

IATA

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Description	UN1210, Printing ink related material, 3, PGIII

IMDG

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
EmS-No	F-E, S-D
Description	UN1210, Printing ink related material, 3, PGIII

ADR/RID

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Classification Code	F1

Description	UN1210, Printing ink related material, 3, PGIII
ADR/RID-Labels	3

ADN

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Classification Code	F1
Description	UN1210, Printing ink related material, 3, PGIII
Limited quantity	LQ7
Ventilation	VE01

15. REGULATORY INFORMATION**International Inventories**

TSCA	Yes
DSL/NDSL	Yes
PICCS	Yes
EINECS/ELINCS	Yes
ENCS	Yes
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	no
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

International Regulations

Canada - NDSL

This product does not contain any NDSL chemicals.

Mexico - Grade

Moderate risk, Grade 2

Mexico - Carcinogen Status and Exposure Limits

No information available

Other Regulations

No information available

CPSIA	Formulated to comply
CONEG	Formulated to comply
ASTM F-963	Formulated to comply
CHPA	Formulated to comply
ROHS	Formulated to comply
REACH/SVHC	Formulated to comply
EN-71	Formulated to comply

16. OTHER INFORMATION

NFPA	Health Hazard 1	Flammability 2	Instability 0	Physical and chemical hazards - Personal protection B
HMIS	Health Hazard 1*	Flammability 2	Physical Hazard 0	

Prepared By	FUJIFILM Environment, Health and Safety, phone: 800-473-3854
Revision Date	11-Jun-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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