SAFETY DATA SHEET

Issuing Date: 08-Jun-2021 **Version** 1

MC MULTICLEAN PLATE CLEANER

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MC MULTICLEAN PLATE CLEANER

Product code 900000035

Product Use Scratch Remover, Cleaner & Desensitizer for Plates.

Distributed in the USA by
FUJIFILM North America Corporation
200 Summit Lake Drive
Valhalla, NY 10595-1356
Distributed in Canada by
FUJIFILM Canada, Inc.
600 Suffolk Ct.
Mississauga, Ontario L5R 4G4
Distributed Internationally by
FUJIFILM North America Corporation
200 Summit Lake Drive
Valhalla, NY 10595-1356

SDSs are available at the following website(s): https://www.fujifilm.com/us/en/support/sds/search

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

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Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 4

GHS Label elements, including precautionary statements

Danger

Hazard Statements
Causes severe skin burns and eye damage
May cause cancer
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Combustible liquid

Precautionary Statements

Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Response
Immediately call a POISON CENTER or doctor/physician
IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
In case of fire: Use CO2, dry chemical, or foam for extinction

Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed
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

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
SOLVENT NAPHTHA, PETROLEUM, LIGHT AROMATIC	64742-95-6	10-30%
AROMATIC HYDROCARBONS	70693-06-0	3-7%
1 2 4-TRIMETHYLBENZENE	95-63-6	1-5%
PHOSPHORIC ACID	7664-38-2	1-5%
SODIUM BISULFATE	7681-38-1	0.5-1.5%
DIOCTYL SODIUM SULFOSUCCINATE	577-11-7	0.5-1.5%
XYLENE (MIXED ISOMERS)	1330-20-7	0.1-1%
CUMENE	98-82-8	0.1-1%
PETROLEUM NAPTHA	64741-65-7	0.1-1%

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Get medical attention immediately if symptoms occur.

Eye contact In case of contact with substance, immediately flush eyes with running water for at least 30 minutes. Do not rub affected area. Keep eye wide open while rinsing. Call a physician immediately.

Skin contact Wash off immediately with plenty of water for at least 30 minutes. Remove contaminated clothing and shoes. Call a physician immediately.

Inhalation IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/ physician.

Most important symptoms and effects, both acute and delayed

Respiratory irritation. Coughing and/ or wheezing. Burning sensation. Redness.

Indication of any immediate medical attention and special treatment needed

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

Combustible liquid. May be ignited by heat, sparks or flames.

Hazardous Combustion Products
Carbon oxides. Sulfur oxides. Nitrogen oxides (NOx). Phosphorus oxides.

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. Avoid contact with skin, eyes or clothing. Remove all sources of ignition. 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 material 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. Use only non-sparking tools. Pay attention to flashback. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear personal protective equipment. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment. Take precautionary measures against static discharges. Keep away from open flames, hot surfaces and sources of ignition. 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
1 2 4-TRIMETHYLBENZENE			TWA: 25 ppm TWA: 125 mg/m³	
PHOSPHORIC ACID	STEL: 3 mg/m³ TWA: 1 mg/m³	TWA: 1 mg/m³ (vacated) TWA: 1 mg/m³ (vacated) STEL: 3 mg/m³	IDLH: 1000 mg/m³ TWA: 1 mg/m³ STEL: 3 mg/m³	
XYLENE (MIXED ISOMERS)	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m³		
CUMENE	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m³ (vacated) TWA: 50 ppm (vacated) TWA: 245 mg/m³ (vacated) S* S*	IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m³	

Appropriate engineering controls

Engineering Measures Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles. Face-shield.

Skin and body protection Wear protective gloves/clothing. Protective shoes or boots.

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	Brownish	**Physical state**	No information available
Form	Lotion		
Odor	Mild solvent	**Odor Threshold**	Not available
pH	1.80 - 2.20		
Specific Gravity	1.030 - 1.035	**Molecular Weight**	Not available
Flash point	Does not sustain combustion 154 °F / 68 °C	**Autoignition temperature**	Not available
Decomposition temperature	Not available	**Boiling point / boiling range**	> 212 °F / 100 °C
Melting point / melting range	Not available	**Freezing Point**	Not available
Flammability Limit in Air	Not available		
Oxidizing Properties	Not available	**Explosive Properties**	Not available
Solubility	Miscible with water	**Partition coefficient**	Not available
Evaporation rate	Not available	**Vapor Pressure**	<17.5 mmHg @ 20 °C
Vapor density	No data available	**Density**	Not available
VOC (lb/gal)	2.50	**VOC (g/l)**	299.58
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

Heat, flames and sparks.

Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

Hazardous decomposition products

None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Acute toxicity

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system. Contact with moist mucous membranes of the respiratory system can cause caustic condition resulting in burns. May cause additional affects as listed under "Ingestion".

Eyes Corrosive to the eyes and may cause irreversible eye damage.

Skin Corrosive to skin. Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and possible blistering.

Ingestion Ingestion causes burns of the upper digestive and respiratory tracts. Potential for aspiration if swallowed. Aspiration into lungs can produce severe lung damage.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
SOLVENT NAPHTHA, PETROLEUM, LIGHT AROMATIC	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
1 2 4-TRIMETHYLBENZENE	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m³ (Rat) 4 h
PHOSPHORIC ACID	= 1530 mg/kg (Rat)	2730 mg/kg (Rabbit)	850 mg/m³ (Rat) 1 h
SODIUM BISULFATE	= 2490 mg/kg (Rat)		
DIOCTYL SODIUM	1900 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-

SULFOSUCCINATE			
XYLENE (MIXED ISOMERS)	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	47635 mg/L (Rat) 4 h 5000 ppm (Rat) 4 h
CUMENE	= 1400 mg/kg (Rat)	= 12300 µL/kg (Rabbit)	> 3577 ppm (Rat) 6 h
PETROLEUM NAPTHA	> 7000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.04 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

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

Irritation Causes severe irritation and or burns.
Corrosivity Corrosive to eyes. Corrosive to skin.
Sensitization No information available.
Mutagenic Effects No information available.
Reproductive Toxicity No information available.
Carcinogenicity Contains a known or suspected carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
XYLENE (MIXED ISOMERS)		Group 3		
CUMENE		Group 2B	Reasonably Anticipated	X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A1 - Known Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen
A4 - Not Classifiable as a Human Carcinogen

IARC: (International Agency for Research on Cancer)
Group 1: Carcinogenic to humans
Group 2A: Probably carcinogenic to humans
Group 2B: Possibly carcinogenic to humans
Group 3: Not classifiable as to its carcinogenicity to humans

NTP: (National Toxicity Program)
Known - Known Carcinogen
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA: (Occupational Safety & Health Administration)
X - Present

STOT - single exposure May cause drowsiness and dizziness.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure. Central nervous system (CNS).

Target organ effects Eyes, Skin, Blood, Lungs, Central nervous system, Respiratory system.

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

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

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ATEmix (oral) 11678 mg/kg
ATEmix (dermal) 3288 mg/kg
ATEmix (inhalation-gas) 1422 ppm
ATEmix (inhalation-dust/mist) 6.7 mg/l
ATEmix (inhalation-vapor) 101 mg/l

ATE: Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
SOLVENT NAPHTHA, PETROLEUM, LIGHT AROMATIC		LC50: =9.22mg/L (96h, Oncorhynchus mykiss)		EC50: =6.14mg/L (48h, Daphnia magna)
1 2 4-TRIMETHYLBENZENE		LC50: 7.19 - 8.28mg/L (96h, Pimephales promelas)		EC50: =6.14mg/L (48h, Daphnia magna)
SODIUM BISULFATE				EC50: =190mg/L (48h, Daphnia magna)
DIOCTYL SODIUM SULFOSUCCINATE		LC50: 20 - 40mg/L (96h, Oncorhynchus mykiss) LC50: <24mg/L (96h, Oncorhynchus mykiss) LC50: =37mg/L (96h, Lepomis macrochirus)		EC50: =36mg/L (48h, Daphnia magna)
XYLENE (MIXED ISOMERS)		LC50: 13.1 - 16.5mg/L (96h, Lepomis macrochirus) LC50: 13.5 - 17.3mg/L (96h, Oncorhynchus mykiss) LC50: 2.661 - 4.093mg/L (96h, Oncorhynchus mykiss) LC50: 23.53 - 29.97mg/L (96h, Pimephales promelas) LC50: 30.26 - 40.75mg/L (96h, Poecilia reticulata) LC50: 7.711 - 9.591mg/L (96h, Lepomis macrochirus) LC50: =13.4mg/L (96h, Pimephales promelas) LC50: =19mg/L (96h, Lepomis macrochirus) LC50: =780mg/L (96h, Cyprinus carpio) LC50: >780mg/L (96h, Cyprinus carpio)		LC50: =0.6mg/L (48h, Gammarus lacustris) EC50: =3.82mg/L (48h, water flea)
CUMENE	EC50: =2.6mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 6.04 - 6.61mg/L (96h, Pimephales promelas) LC50: =2.7mg/L (96h, Oncorhynchus mykiss) LC50: =4.8mg/L (96h, Oncorhynchus mykiss) LC50: =5.1mg/L (96h, Poecilia reticulata)		EC50: 7.9 - 14.1mg/L (48h, Daphnia magna) EC50: =0.6mg/L (48h, Daphnia magna)
PETROLEUM NAPTHA	EC50: =30000mg/L (72h, Pseudokirchneriella subcapitata)			LC50: =2mg/L (48h, Mysidopsis bahia)

Persistence and degradability

No information available.

Bioaccumulation

Chemical name	Partition coefficient
1 2 4-TRIMETHYLBENZENE	3.63
XYLENE (MIXED ISOMERS)	2.77 - 3.15
CUMENE	3.7

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	Box, Limited Quantity, Exempt from shipping papers

TDG

Proper Shipping Name	Box, Limited Quantity, Exempt from shipping papers

MEX

Proper Shipping Name	Box, Limited Quantity, Exempt from shipping papers

ICAO (air)

Proper Shipping Name	Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID)
UN/ID No	UN3264
Transport hazard class(es)	8
Packing Group	III
Description	UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID), 8, III

IATA

Proper Shipping Name	Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID)
UN number or ID number	UN3264
Transport hazard class(es)	8
Packing group	III
Description	UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID), 8, III

IMDG

UN proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID)
UN number or ID number	UN3264
Transport hazard class(es)	8
Packing group	III
EmS-No.	F-A, S-B
Description	UN3264, Corrosive liquid, acidic, inorganic, n.o.s (PHOSPHORIC ACID), 8, III, Ltd. Qty

ADR

Proper Shipping Name	Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID)
UN/ID No	UN3264
Transport hazard class(es)	8
Packing Group	III
Classification Code	C1
Description	UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID), 8, III
ADR/RID-Labels	8

ADN

Proper Shipping Name	Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID)
UN/ID No	UN3264
Transport hazard class(es)	8
Packing Group	III
Classification Code	C1
Description	UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID), 8, III
Hazard Labels	8
Limited quantity	5 L

15. REGULATORY INFORMATION

International Inventories

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

***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
AIICS - Australian Inventory of Industrial Chemicals

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS No	SARA 313 - Threshold Values %	Weight-%
1 2 4-TRIMETHYLBENZENE	95-63-6	1.0	1-5%

SARA 311/312 Hazard Categories

Classification is shown in section 2 of this SDS

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
PHOSPHORIC ACID	5000 lb			X
XYLENE (MIXED ISOMERS)	100 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
PHOSPHORIC ACID	5000		RQ 5000 lb final RQ RQ 2270 kg final RQ
XYLENE (MIXED ISOMERS)	100		RQ 100 lb final RQ RQ 45.4 kg final RQ
CUMENE	5000		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

WARNING: Cancer - www.P65Warnings.ca.gov

Chemical name	CAS No	California Prop. 65	Weight-%
CUMENE	98-82-8	Carcinogen	0.1-1%
NAPHTHALENE	91-20-3	Carcinogen	<0.1%

U.S. State Right-to-Know Regulations

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Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
1 2 4-TRIMETHYLBENZENE	X	X	X	X	
PHOSPHORIC ACID	X	X	X		X
XYLENE (MIXED ISOMERS)	X	X	X	X	X
CUMENE	X	X	X	X	X

International Regulations

Canada - NDSL

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Chemical name	NDSL
HEMICELLULOSE	X

Mexico - Grade

Moderate risk, Grade 2

Mexico - Carcinogen Status and Exposure Limits

Chemical name	Mexico	Exposure Limits
PHOSPHORIC ACID		Mexico: TWA 1 mg/m^3 Mexico: STEL 3 mg/m^3
XYLENE (MIXED ISOMERS)		Mexico: TWA 100 ppm Mexico: STEL 150 ppm
CUMENE		Mexico: TWA 50 ppm

Other Regulations

No information available

16. OTHER INFORMATION

NFPA	**Health hazards** 3	**Flammability** 2	**Instability** 0	**Physical and chemical properties** -
HMIS	**Health hazards** 3*	**Flammability** 2	**Physical hazards** 0	**Personal protection** C

**Indicates a chronic health hazard.*

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

Revision Date 08-Jun-2021

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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