

SAFETY DATA SHEET

Issuing Date: 08-Dec-2022

Version 1

Starter Revelador de Chapas Térmicas CTP

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Starter Revelador de Chapas Térmicas CTP

Product code 704008811

Product Use Plate developer.

Manufactured by
FUJIFILM do Brasil Ltda.
Av. New Jersey 1000
Arujá - SP - Brasil

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

Company Phone Number Brasil: 55 (11) 4653-1840

Emergency Telephone Transport-CHEMTREC Brasil: +(55)-2139581449

E-mail EHS@fujifilm.com

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1

GHS Label elements, including precautionary statements

Danger

Hazard Statements

Causes severe skin burns and eye damage

**Precautionary Statements****Prevention**

Do not breathe dusts or mists

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Response

Immediately call a POISON CENTER or doctor

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): Take off immediately all contaminated clothing. Rinse skin with water/ shower

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Storage

Not applicable

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not classified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
DISODIUM METASILICATE	6834-92-0	5-10%
GLYCERIN	56-81-5	3-7%

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

4. FIRST AID MEASURES

Description of first aid measures

General advice	Immediate medical attention is required.
Eye contact	In case of contact with substance, immediately flush eyes with running water for at least 30 minutes. Keep eye wide open while rinsing. Do not rub affected area. 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

Burning sensation. Redness.

Indication of any immediate medical attention and special treatment needed

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.

Hazardous Combustion Products

Carbon oxides. Sodium oxides. Potassium oxides. Silicon dioxide.

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

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

Environmental precautions

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

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	Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Use personal protective equipment.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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Appropriate engineering controls

Engineering Measures	Ventilation systems
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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.
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, Slight yellow	Physical state	Liquid
Odor Threshold	Not available	Odor	Characteristic
		pH	12.5 - 13.5
Specific Gravity	1.05 - 1.07	Molecular Weight	Not available
Flash point	Not available	Autoignition temperature	Not available
Decomposition temperature	Not available	Boiling point / boiling range	Not available
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	Soluble in water	Partition coefficient	Not available
Evaporation rate	Not available	Vapor Pressure	Not available
Vapor density	No data available	Density	Not available

VOC (lb/gal)	Not available	VOC (g/l)	Not available
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. Strong acids.

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. May cause additional affects as listed under "Ingestion".

Eyes

Corrosive to eyes. Risk of serious damage to eyes.

Skin

Corrosive to skin.

Ingestion

Ingestion causes burns of the upper digestive and respiratory tracts.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
DISODIUM METASILICATE	= 1153 mg/kg (Rat)		
GLYCERIN	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 2.75 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	None known.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target organ effects Eyes, 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) 10362 mg/kg

ATE: Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
DISODIUM METASILICATE		LC50: =210mg/L (96h, Brachydanio rerio)		
GLYCERIN		LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)		

Persistence and degradability

No information available.

Bioaccumulation

Chemical name	Partition coefficient
GLYCERIN	-1.75

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	Corrosive liquid, basic, inorganic, n.o.s.
UN/ID No	UN3266
Transport hazard class(es)	8
Packing Group	III
Description	UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Disodium metasilicate), 8, III
Packaging Exceptions	154
Non-bulk Packaging	203
Bulk Packaging	241

TDG

Proper Shipping Name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
UN/ID No	UN3266
Transport hazard class(es)	8
Packing Group	III
Description	UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate), 8, III

MEX

Proper Shipping Name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
UN/ID No	UN3266
Transport hazard class(es)	8
Packing Group	III
Description	UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate), 8, III

ICAO (air)

Proper Shipping Name	Corrosive liquid, basic, inorganic, n.o.s.
UN/ID No	UN3266
Transport hazard class(es)	8
Packing Group	III
Description	UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Disodium metasilicate), 8, III

IATA

Proper Shipping Name	Corrosive liquid, basic, inorganic, n.o.s.
UN number or ID number	UN3266
Transport hazard class(es)	8
Packing group	III
Description	UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Disodium metasilicate), 8, III

IMDG

UN proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S
UN number or ID number	UN3266
Transport hazard class(es)	8
Packing group	III
EmS-No.	F-A, S-B
Description	UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate), 8, III

ADR

Proper Shipping Name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
UN/ID No	UN3266
Transport hazard class(es)	8
Packing Group	III
Classification Code	C5
Marine pollutant	Yes
Description	UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate), 8, III, (E)
ADR/RID-Labels	8

ADN

Proper Shipping Name	Corrosive liquid, basic, inorganic, n.o.s.
UN/ID No	UN3266
Transport hazard class(es)	8
Packing Group	III
Classification Code	C5
Marine pollutant	Yes
Description	UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Disodium metasilicate), 8, III
Hazard Labels	8
Equipment Requirements	PP, EP

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

NFPA	Health hazards 3	Flammability 1	Instability 0	Special hazards -
HMIS	Health hazards 3	Flammability 1	Physical hazards 0	Personal protection C

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

Revision Date 08-Dec-2022

Revision Note No information available

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