CASWELL INC

Safety Data Sheet
Plastic Activator

SECTION 1: Identification

1.1 Product identifier

Product name	Plastic Activator
Product number	PLACT
Brand	Caswell

1.4 Supplier's details

Name	Caswell Inc
Address	7696 Route 31 Lyons NY 14489 USA
Telephone	315 946 1213
Fax	315 946 4456
email	sales@caswellplating.com

1.5 Emergency phone number(s)

Office Hours (9-4ET): 315 946 1213
24 Hour: CHEMTEL US# 1-800-255-3924 Intl# +01-813-248-0585

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 3
- Eye damage/irritation (chapter 3.3), Cat. 2B

2.2 GHS label elements, including precautionary statements

Pictogram

Signal word **Warning**

Hazard statement(s)

H302	Harmful if swallowed
H316	Causes mild skin irritation
H320	Causes eye irritation

Precautionary statement(s)

P264	Wash … thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell,
P330	Rinse mouth.
P501	Dispose of contents/container to …
P332+P313	If skin irritation occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. WATER

Concentration	90 - 98 %
CAS no.	7732-18-5

2. HYDROCHLORIC ACID (<37%)

Concentration	1 - 5 %
EC no.	231-595-7
CAS no.	7647-01-0
Index no.	017-002-01-X

- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Specific target organ toxicity following single exposure (chapter 3.8), Cat. 3

H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation

3. STANNOUS CHLORIDE

Concentration	1 - 5 %
CAS no.	7772-99-8

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	May be mildly irritating to eyes, throat and skin if directly exposed.

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with water as a precaution.
If swallowed	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Any

5.2 Specific hazards arising from the chemical
None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Personnel who have received basic chemical safety
training can generally handle small-scale releases (e.g., under 1 kg). For small releases, the minimum Personal Protective Equipment should be rubber gloves and rubber apron, splash goggles or safety glasses. Use caution during clean-up; avoid stepping into spilled solid or clean-up procedures that generate substantial amounts of dust.

6.2 Environmental precautions
Avoid response actions that can cause a release of a significant amount of the substance (1 liter or more) into the environment.

6.3 Methods and materials for containment and cleaning up
Any available

SECTION 7: Handling and storage

7.1 Precautions for safe handling
HYGIENE PRACTICES: Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of dusts. Use in wellventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.

7.2 Conditions for safe storage, including any incompatibilities
Ensure all containers are correctly labeled. Store containers away
from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals (See Section 10, Stability and Reactivity). Empty containers may contain residual material; therefore, empty containers should be handled with care. Material should be stored in secondary containers, or in a diked area, as appropriate. Storage and use areas should be covered with impervious materials. Inspect all

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Hydrogen chloride (CAS: 7647-01-0)
PEL (Inhalation): (C) 5 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): (C) 7 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): (C) 5 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): (C) 5 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls
Use this product in well-ventilated environment. Safety showers, eye wash stations, and hand-washing equipment should be available.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection
Splash goggles or safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, or the European Standard EN166.

Skin protection
Neoprene gloves or nitrile gloves should be used. Use triple gloves for spill response, as stated in Section 6 (Accidental Release Measures) of this SDS. If necessary, refer to U.S. OSHA 29 CFR 1910.138, appropriate Standards of Canada, or appropriate Standards of the European Economic Community.

Body protection
Use a body protection appropriate to task (e.g., lab coat, coveralls, or apron).
Care should be taken to select protection for potentially exposed areas when prolonged exposure could occur in occupational settings.

Respiratory protection
None needed under normal conditions of use. Use NIOSH approved respirators if ventilation is inadequate to control sprays or mists. For situations in which significant amounts of sprays or mists could be generated, wear an air-purifying respirator with a high-efficiency particulate filter.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Colorless Liquid
Odor	Acrid, Pungent
Odor threshold	
pH	<1
Melting point/freezing point	32 deg F

Initial boiling point and boiling range	102 deg C
Flash point	NA
Evaporation rate	1
Flammability (solid, gas)	Not Flammable
Upper/lower flammability limits	NA
Upper/lower explosive limits	NA
Vapor pressure	190 mm Hg at 25 deg C
Vapor density	1
Relative density	1.01
Solubility(ies)	Complete In Water
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

10.1 Reactivity
Not reactive under typical conditions of use or handling.

10.2 Chemical stability
Stable

10.3 Possibility of hazardous reactions
This product is not self-reactive or air-reactive.
This product will not undergo hazardous polymerization.

10.5 Incompatible materials
This product is not compatible with strong oxidizers, strong acids and water-reactive substances.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Inhalation Rat LC50: 90 pp7/1hour
Oral Rabbit LD50: 27 g/kg

Skin corrosion/irritation
Mild irritation may occur

Serious eye damage/irritation
Mild irritation may occur

Respiratory or skin sensitization
Mild irritation may occur

Carcinogenicity
IARC Category 3

SECTION 12: Ecological information

Toxicity
None Expected

SECTION 13: Disposal considerations

Disposal of the product
Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Toxic Substances Control Act (TSCA) Inventory
All components of this product are listed on the TCSA Inventory

Massachusetts Right To Know Components
Chemical name: Hydrochloric acid
CAS number: 7647-01-0

New Jersey Right To Know Components
Common name: HYDROGEN CHLORIDE
CAS number: 7647-01-0

Pennsylvania Right To Know Components
Chemical name: Hydrochloric acid
CAS number: 7647-01-0

New Jersey Right To Know Components
Common name: STANNOUS CHLORIDE
CAS number: 7772-99-8

HMIS Rating

Plastic Activator	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA Rating

SECTION 16: Other information

16.1 Further information/disclaimer

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