



CASWELL INC

Safety Data Sheet PTFE Part A

SECTION 1: Identification

1.1 Product identifier

Product name	PTFE Part A
Product number	PTFEA
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. 3
- Carcinogenicity (chapter 3.6), Cat. 2
- Acute toxicity, inhalation (chapter 3.1), Cat. 4
- Acute toxicity, oral (chapter 3.1), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 3
- Sensitization, respiratory (chapter 3.4), Cat. 1
- Respiratory sensitizer (chapter 3.4), Cat. 1
- Sensitization, skin (chapter 3.4), Cat. 1
- Carcinogenicity (chapter 3.6), Cat. 1A
- Toxic to reproduction (chapter 3.7), Cat. 2
- Specific target organ toxicity following repeated exposure (chapter 3.9), Cat. 2
- Long-term hazards to the aquatic environment (chapter 4.1), Cat. 1

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2.2 GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H301	Toxic if swallowed
H332	Harmful if inhaled
H316	Causes mild skin irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H350	May cause cancer [route]
H361	Suspected of damaging fertility or the unborn child [effect, route]
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]
H410	Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P321	Specific treatment (see ... on this label).
P330	Rinse mouth.
P405	Store locked up.
P501	Dispose of contents/container to ...
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P284	[In case of inadequate ventilation] wear respiratory protection.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P314	Get medical advice/attention if you feel unwell.
P273	Avoid release to the environment.
P391	Collect spillage.

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. NICKEL (II) SULFATE

Concentration	45 %
EC no.	232-104-9
CAS no.	7786-81-4
Index no.	028-009-00-5

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2. WATER OR OTHER NON-REPORTABLE INGREDIENTS

Concentration	55 %
CAS no.	7732-18-5

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Personal protective equipment for first-aid responders	Refer to section 8

4.2 Most important symptoms/effects, acute and delayed

Compounds containing nickel can cause dermatitis and skin rash.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Thermal decomposition will form oxides of nickel and sulfur.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.2 Environmental precautions

Nickel compounds are damaging to aquatic life

6.3 Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Must be stored above 55 deg F.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and away from incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. NICKEL (II) SULFATE (CAS: 7786-81-4 EC: 232-104-9)

PEL-TWA: 1 mg/m³ (OSHA)

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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

Pictograms



Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear chemical resistant gloves and clothing.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Green Liquid
Odor	
Odor threshold	
pH	3.4-3.7
Melting point/freezing point	55 deg F

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Initial boiling point and boiling range	212 deg F
Flash point	
Evaporation rate	
Flammability (solid, gas)	Not Flammable
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	1.34
Solubility(ies)	100% 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

10.2 Chemical stability

Stable

10.4 Conditions to avoid

Excess Heat

10.5 Incompatible materials

Cyanides, Strong Alkalis

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Oral LD50: 264 mg/kg

Skin corrosion/irritation

Continued Exposure to nickel can cause nickel itch/dermatitus/skin rash.

Serious eye damage/irritation

May cause eye irritation

Respiratory or skin sensitization

May cause respiratory and skin sensitisation.

Germ cell mutagenicity

Not known

Carcinogenicity

Nickel compounds are a known carcinogen.

Reproductive toxicity

Not known

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STOT-single exposure

Not known

STOT-repeated exposure

Not known

Aspiration hazard

Not known

SECTION 12: Ecological information

Toxicity

Not known

Persistence and degradability

Not known

Bioaccumulative potential

Not known

Mobility in soil

Not known

Results of PBT and vPvB assessment

Not known

Other adverse effects

Nickel compounds are damaging to the aquatic environment.

SECTION 13: Disposal considerations

Disposal of the product

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

Disposal of contaminated packaging

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

Massachusetts Right To Know Components

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Chemical name: Nickel sulfate
CAS number: 7786-81-4

New Jersey Right To Know Components

Common name: NICKEL SULFATE
CAS number: 7786-81-4

Pennsylvania Right To Know Components

Chemical name: Sulfuric acid, nickel(2+) salt (1:1)
CAS number: 7786-81-4

California Prop. 65 components

Common name: NICKEL SULFATE
CAS number: 7786-81-4

HMIS Rating

PTFE Part A	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Caswell Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Caswell Inc has been advised of the possibility of such damages.