

MATERIAL SAFETY DATA SHEET



Date Issued: 05/24/2012
MSDS No: NICKEL ACTIVATOR
Date Revised: 05/24/2012
Revision No: 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: NICKEL ACTIVATOR

MANUFACTURER

Caswell Inc
 7696 Route 31
 Lyons, NY 14489

Emergency Contact: Caswell Inc

Product Stewardship: 315 946 1213

Transportation: 800 424 9300

Service Number: 315 946 1213

Caswell Inc
 7696 Route 31
 Lyons, NY 14489
 USA

Emergency Contact: Caswell Inc

Emergency Phone: +1 315 946 1213

Service Number: +1 315 946 1213

Transportation Number: +1 703 527 3887

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US TRANSPORTATION) - 1 800 424 9300

CHEMTREC (INTERNATIONAL - CALL COLLECT) - 1 703 527 3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health




Acute Toxicity (Inhalation), Category 3
 Skin Corrosion, Category 1
 Serious Eye Damage, Category 1
 Carcinogenicity, Category 1
 Target Organ Toxicity (Single exposure), Category 1
 Target Organ Toxicity (Repeated exposure), Category 1

GHS LABEL

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 Skull and crossbones	 Corrosion
DANGER	
H314: Causes severe skin burns and eye damage. H300: Fatal if swallowed. H350: May cause cancer . H370: Causes damage to organs .	
 Health hazard	

PRECAUTIONARY STATEMENT(S)

Prevention:

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271: Use only outdoors or in a well-ventilated area.
- P260: Do not breathe dust/fume/gas/mist/vapours/spray.
- P264: Wash ... thoroughly after handling.
- P202: Do not handle until all safety precautions have been read and understood.
- P281: Use personal protective equipment as required.

Response:

- P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P301+A1600: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P341: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

- P501: Dispose of contents/container in accordance with all local/regional/national regulations.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Corrosive. Will cause eye burns and permanent tissue damage.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive to the eyes and may cause severe damage including blindness.

SKIN: Corrosive, causes skin burning.

INGESTION: Extremely hazardous in case of ingestion. May be fatal if swallowed.

INHALATION: Extremely hazardous in case of inhalation. Corrosive to lungs.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CARCINOGENICITY: Cancer hazard.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt.%	CAS	EINECS
Sulfuric Acid	~ 28 - 40	7664-93-9	231-639-5
Water and other non-hazardous, non-listed or non-reportable materials.	~ 60 - 72	7732-18-5	231-791-2

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE LIMITS: Not flammable

EXTINGUISHING MEDIA: Dry chemical, soda ash, lime, sand or CO₂.

HAZARDOUS COMBUSTION PRODUCTS: May evolve oxides of sulfur.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up spills immediately, observing precautions in Protective Equipment section.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep in closed container in a dry, well ventilated area away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Sulfuric Acid	TWA	NL ppm [1]	1 mg/m ³ [1]	NL ppm	1 mg/m ³	NL ppm	NL mg/m ³
	STEL	NL ppm	NL mg/m ³	NL ppm	3 mg/m ³	NL ppm	NL mg/m ³

Footnotes:

1. NL = Not Listed

PERSONAL PROTECTIVE EQUIPMENT

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- EYES AND FACE:** Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).
- SKIN:** Where splashing is possible, full chemically resistant protective clothing (e.g. acid suit) and boots are required.
- RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
- PROTECTIVE CLOTHING:** Wear suitable protective clothing at all times.

9. PHYSICAL AND CHEMICAL PROPERTIES

- PHYSICAL STATE:** Liquid
- ODOR:** None
- COLOR:** Grey
- pH:** < 1
- VAPOR PRESSURE:** 0.13 kPa
- VAPOR DENSITY:** 3.4 (Air=1)
- BOILING POINT:** 340°C
- FREEZING POINT:** 10°C
- SOLUBILITY IN WATER:** Soluble
- SPECIFIC GRAVITY:** 1.280 @ 25°C
- VISCOSITY #1:** 21 mPa. s. at 25°C

10. STABILITY AND REACTIVITY

- STABLE:** Yes
- HAZARDOUS POLYMERIZATION:** No
- CONDITIONS TO AVOID:** Do not store near combustible materials.
- INCOMPATIBLE MATERIALS:** Organic materials and alkaline materials

11. TOXICOLOGICAL INFORMATION

- ACUTE**
- ORAL LD₅₀:** 2140 mg/kg (rat)
- INHALATION LC₅₀:** .347 mg/l
- CARCINOGENICITY**
- IARC:** Group 1

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

- DISPOSAL METHOD:** Comply with all local, state and federal laws.

14. TRANSPORT INFORMATION

- DOT (DEPARTMENT OF TRANSPORTATION)**
- PROPER SHIPPING NAME:** Battery fluid, acid
- PRIMARY HAZARD CLASS/DIVISION:** 8

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UN/NA NUMBER: UN2796

PACKING GROUP: II

OTHER SHIPPING INFORMATION: Small quantities may be shipped as Consumer Commodity / Limited Quantity

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** Yes **ACUTE:** Yes **CHRONIC:** Yes

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sulfuric Acid	7664-93-9
Water and other non-hazardous, non-listed or non-reportable materials.	7732-18-5

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

CALIFORNIA PROPOSITION 65: WARNING: This product contains a chemical known to the State Of California to cause cancer and/or reproductive harm.

16. OTHER INFORMATION

REASON FOR ISSUE: New Product

APPROVED BY: L CASWELL

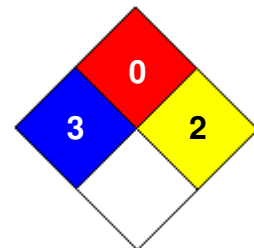
PREPARED BY: L CASWELL

REVISION SUMMARY: Revision #: 1. This MSDS replaces the May 24, 2012 MSDS. Any changes in information are as follows: In Section 15: Proposition 65 Statement

HMIS RATING

HEALTH:	*	3
FLAMMABILITY:		0
PHYSICAL HAZARD:		2
PERSONAL PROTECTION:		J

NFPA CODES



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