



**Spectrum Manufacturing Corp.  
P. O. Box 87870 Phoenix, AZ 85080  
623/434-0097**

## **SDS**

**Conforms to OSHA HazCom 2012 & CPR Standards**

### SECTION 1 – IDENTIFICATION OF PRODUCT AND COMPANY

**Product Name:** **SPECTRUM SUPER-HYDRA ADMIX  
CONCENTRATE**

**Manufacturer Name:** **Spectrum Manufacturing Corp.**

**Address:** **P O BOX 87870 PHOENIX, AZ 85080**

**General Phone Number:** **(623) 434-0097**

**General Fax Number:** **(623) 434-0099**

**Customer Service Phone  
Number:** **(623) 434-0097**

**SDS Creation Date:** **11/25/2010**

**SDS Revision Date:** **06/01/2015**

### SECTION 2 – HAZARDS IDENTIFICATION

#### Classification of the chemical according to OSHA HCS 2012

**Hazard Class:** Irritant (skin & eye)  
Not classified as a carcinogen

#### Label sections according to OSHA HCS 2012:



**Definitions:** Warning

**Hazard ID:** Causes eye & skin irritation, harmful if swallowed.

**Prevention:** Do not handle until all safety provisions have been thoroughly read. Always wear protective gloves, clothing & eye wear. Do not breathe fumes or vapors. Do not eat, drink or smoke when using. Wash hands thoroughly after handling.

**Emergency:** If in the eyes, rinse cautiously with water for several minutes. If contact lenses are present, remove and continue rinsing. If eye irritation continues or if exposure is a concern, seek medical attention immediately.

**Storage:** Secure area.

Disposal:

Dispose in accordance with all local, regional, national and international regulations.

WHMIS Classifications:

Class D2B – skin/eye irritation – reversible damage.

WHMIS Hazard Symbol



Definition:

Caution

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	Ingredient Percent
Calcium chloride	10043-52-4	50-60 by weight
H <sub>2</sub> O	7732-18-5	40-50 by weight
(Exact % of composition has been withheld as a trade secret)		

**SECTION 4 - FIRST AID MEASURES**

**Eye Contact:** Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.

**Skin Contact:** Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

**Ingestion:** If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Other First Aid:** Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

**SECTION 5 - FIRE FIGHTING MEASURES**

**Flammability:** Nonflammable in accordance to WHMIS/OSHA criteria.

**Extinguishing Media:** Use alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.

**Special hazards arising for chemical:** May include, but not limited to: hydrogen chloride gas, calcium oxide.

**Protective Equipment:** As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent and full protective gear.

**NFPA Ratings:**

Flammability:	1
Health:	0
Reactivity:	0

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personnel Precautions:** Use proper personal protective equipment as listed in section 8.

**Environmental Precautions:** Avoid runoff into storm sewers, ditches, and waterways.

**Spill Cleanup Measures:** Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

**SECTION 7 - HANDLING and STORAGE**

**Handling:** Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.

**Storage:** Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.

**Hygiene Practices:** Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

#### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Components with workplace control parameters:

Chemical Name	OSHA-PEL TWA	ACGIH-TWA
Particles not otherwise regulated (PNOS)	15mg/m <sup>3</sup> (total); 5mg/m <sup>3</sup> (respirable)	10mg/m <sup>3</sup> (inhalable) 3m <sup>c</sup> /m <sup>3</sup> (respirable)

**Engineering Controls:** Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

**Eye/Face Protection:** Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

**Skin Protection Description:** Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing. Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.

**Respiratory Protection:** A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstances where air purifying respirators may not provide adequate protection.

**Other Protective:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

#### SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Clear
Odor:	Odorless
Odor threshold:	N/A
Physical state:	Liquid
pH:	7.0 – 9.0
Melting point/freezing point:	N/A
Initial boiling point & boiling range:	N/A
Flash Point:	N/A
Evaporation rate:	N/A
Flammability:	Not flammable
Lower flammability/explosive limit:	N/A
Upper flammability/explosive limit:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative density/specific gravity:	1.50 - 1.70
Solubility:	N/A
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	N/A
Oxidizing properties:	N/A
Explosive properties:	N/A
VOC content, g/1:	N/A

#### SECTION 10 - STABILITY and REACTIVITY

<b>Reactivity:</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Hazardous Polymerization:</b>	N/A
<b>Conditions to Avoid:</b>	Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
<b>Incompatible Materials:</b>	Bromide trifluoride, 2-Furan percarboxylic, zinc, attacks metals.
<b>Special Decomposition Products:</b>	Under fire conditions: hydrogen chloride gas, calcium oxide

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Likely routes of exposure:</b>	Skin & eye contact, inhalation & ingestion.
<b>Symptoms related to physical, chemical, toxicological characteristics:</b>	
Eye:	May cause eye irritation. Symptoms include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Skin:	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of skin.
Ingestion:	May be harmful if swallowed and may cause nausea or vomiting.
Inhalation:	May cause respiratory tract irritation.

### Acute toxicity:

<b>Chemical Name</b>	<b>LC50</b>	<b>LD50</b>
Calcium chloride	N/A	Oral 1126 mg/kg, rat Derm 2637/mg/kg, rat

<b>Chemical Name</b>	<b>Carcinogen Classification</b>
Calcium chloride	Not classified as a carcinogen by NTP, IARC, or OSHA.

### Delayed, immediate & chronic effects of short/long term exposure:

Skin irritation-sensitivity	Prolonged contact may cause skin irritation.
Eye damage/irritation	May cause slight eye irritation.
Respiratory:	No standards present
STOT – single exposure	No standards present
Chronic health effects:	
• Carcinogenicity	Not classified.
• Germ cell mutagenicity	No standards present
Reproductive toxicity:	
• Developmental	No standards present
• Teratogenicity	No standards present
• Embryo toxicity	No standards present
• Fertility	No standards present
STOT – repeated exposure	No standards present
Aspiration hazard	No standards present
Toxicologically synergistic materials	N/A
Other information	N/A

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Practically non-toxic to aquatic surroundings.
<b>Persistence &amp; degradability:</b>	None
<b>Bio accumulative potential:</b>	None
<b>Mobility in soil:</b>	Yes, by nature.
<b>Other adverse effects:</b>	N/A

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Waste Disposal:</b>	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to local, state, provincial and federal regulations.
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## SECTION 14 - TRANSPORT INFORMATION

UN number:	DOT – not regulated	TDG – not regulated
Hazard class:	DOT – N/A	TDG – N/A
Packing group:	DOT – N/A	TDG – N/A
Environmental hazards:	Not classified as a dangerous good under transport regulations	
Special precautions for user:	Do not handle until all precautions have been read and understood.	

## SECTION 15 – REGULATORY INFORMATION

Chemical specific – safety, health & environmental regulations/legislations:

United States:	SDS prepared pursuant to the OSHA HCS (CFR29 1910.1200).
Canada:	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

SARA Title III:

<u>Chemical</u>	<u>CERCLA</u>	<u>SARA EHS</u>	<u>EPCRA 313</u>	<u>OSHA</u>
Calcium chloride	N/L	N/L	N/L	N/L

California proposition 65:

This product is not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed on Prop. 65.

Global Inventories:

<u>Chemical</u>	<u>Canada DSL/NDSL</u>	<u>USA TSCA</u>
Calcium chloride	NDSL	Yes

NFPA rating:

Health	1
Fire	0
Chemical reactivity	0

HMIS rating:

Health	2
Fire	0
Physical hazard	0

(Rating: 0=minimal, 1=slight, 2=moderate, 3=severe, 4=extreme)

## SECTION 16 - ADDITIONAL INFORMATION

Source agency carcinogen classifications:

<b>OSHA (O)</b>	Occupational Safety and Health Administration
<b>ACGIH (G)</b>	American Conference of Governmental Industrial Hygienists
A1	Confirmed human carcinogen
A2	Suspected human carcinogen
A3	Animal carcinogen. "Available evidence suggests that the agent is not likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure."
A4	Not classifiable as a human carcinogen. "There are inadequate data on which to classify the agent in terms of its carcinogenicity in humans and/or animals."
A5	Not suspected as a human carcinogen
<b>IARC (1)</b>	International Agency for Research on Cancer (World Health Organization)
1	The agent (mixture) is carcinogenic to humans
2A	The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
2B	The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
3	The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
4	The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.
<b>NTP (N)</b>	National Toxicology Program (Health and Human Services Dept. Public Health Service, NIH/NIEHS)

1	Known to be carcinogens
2	Reasonably anticipated to be carcinogens
<b>CP65</b>	California Proposition 65, "Chemicals Known to the State to Cause Cancer."

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