

# MATERIAL SAFETY DATA SHEET

NIRVANA

1. **CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**  
INNICTIS CROP CARE LLC  
1220 W ASH STREET, SUITE B  
WINDSOR, CO 80550

**PRODUCT NAME:** NIRVANA **EPA REG. NO.:** Not Applicable  
**CHEMICAL NAME:** Catalyst  
**CHEMICAL FAMILY:** Fertilizer Compatibility Agent  
**Hotline Numbers:** For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION SUMMARY

**KEEP OUT OF REACH OF CHILDREN – DANGER:** Causes serious eye irritation. Harmful or fatal if swallowed. Avoid contact with skin, eyes or clothing. Do not take internally.

## 3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Mixture including: Tall Oil Fatty Acids, Carbamides and Dimethylsiloxane	100	Mixture	Not Listed

## 4. FIRST AID MEASURES

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If Swallowed:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

**Note to Physician:** Contains petroleum distillate vomiting may cause aspiration pneumonia.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT** have the product container or label with you when calling a poison control center or doctor.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT** (<sup>o</sup>F/Test Method): >200°F

**FLAMMABLE LIMITS** (LFL & UFL): Not established

**EXTINGUISHING MEDIA:** Use foam, dry chemical, carbon dioxide, water spray or fog.

**HAZARDOUS COMBUSTION PRODUCTS:** Toxic fumes may be emitted in a fire situation.

**SPECIAL FIRE FIGHTING PROCEDURES:** Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Explosive vapor could form from ruptured containers. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Can form explosive mixtures at temperatures at or above the flashpoint. Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.

**FIRE FIGHTING EQUIPMENT:** Wear proper fire fighting turn-out gear (Bunker gear).

**HAZARDOUS COMBUSTION PRODUCTS:** Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur, nitrogen and toxic chlorine compounds. Incomplete combustion can produce carbon monoxide.

## 6. ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** In case of leak or spill, contain material and dispose as waste. Do not contaminate any body of water. Pick up spilled liquid with absorbent material and sweep up for disposal. Place it and damaged unusable containers in a landfill appropriate for non hazardous chemical waste. Check local, state and federal regulations for proper disposal.

## 7. HANDLING AND STORAGE

**Storage:** Store in a cool, dry place. Store in original container only. Do not add anything to the container. Keep container tightly sealed when not in use. Do not store near fire, flame or other potential sources of ignition. Do not contaminate water, food or feed by storage or disposal of this product.

**Disposal:** Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at [www.acrecycle.org](http://www.acrecycle.org). Decontaminated containers and materials must be disposed of in a manner allowed by local, state and federal laws and regulations.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EYE PROTECTION:** Wear chemical goggles or shielded safety glasses when handling and mixing product.  
**SKIN PROTECTION:** Wear protective clothing: long-sleeved shirts and pants, shoes plus socks and chemical-resistant gloves. Always refer to the label of the pesticide(s) in the tank mix and follow the most restrictive requirements.  
**Personal Protective Equipment (PPE):** Eye protection, long sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. Follow manufacturer’s instructions for cleaning/maintaining PPE. If not such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE AND ODOR:</b> Clear liquid, sweet	<b>SOLUBILITY:</b> 100% in Water <b>pH:</b> 7.8-8.20 (1% Sol)
<b>SPECIFIC GRAVITY (Water=1):</b> 1.12 – 1.14 g/ml	<b>BULK DENSITY:</b> 9.34 – 9.51 lbs/gal.
<b>VAPOR PRESSURE:</b> Not established	<b>BOILING POINT:</b> Not established
<b>PERCENT VOLATILE (by volume):</b> Not established	<b>EVAPORATION RATE:</b> Not established

**Note:** These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

**10. STABILITY AND REACTIVITY**

<b>STABILITY:</b> Stable	<b>CONDITIONS TO AVOID:</b> None Known
<b>IMCOMPATIBILITY:</b> Avoid strong oxidizers, acids and bases.	<b>HAZARDOUS POLYMERIZATION:</b> Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May emit toxic fumes as it burns.

**11. TOXICOLOGICAL INFORMATION –**

<b>Acute Oral LD<sub>50</sub>:</b> >5,000 mg/kg (female)	<b>Acute Dermal LD<sub>50</sub>:</b> >2,000 mg/kg
<b>Eye Irritation:</b> Causes severe irritation	<b>Skin Irritation:</b> May cause mild irritation
<b>Inhalation LC<sub>50</sub>:</b> >2.00 mg/L	<b>Skin sensitization:</b> Not a contact sensitizer

**Carcinogenic Potential:** None listed in OSHA, NTP, IARC, or ACGIH

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL SUMMARY:** Ecotoxicity is not available; Not expected to be toxic to aquatic organisms.

**13. DISPOSAL CONSIDERATIONS**

Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state and federal regulations.

**14. TRANSPORT INFORMATION**

**DOT REGULATION:** Not regulated by DOT

**15. REGULATORY INFORMATION**

<b>NFPA RATINGS:</b>	<b>Least = 0</b>	<b>Slight = 1</b>	<b>Moderate = 2</b>	<b>High = 3</b>	<b>Severe = 4</b>
<b>Ratings for this product:</b>	Health – 2	Flammability – 2	Instability – 1	Special Hazards – None Specified	

<b>SARA Title III Hazard Category:</b>	Immediate <u>Y</u>	Fire <u>N</u>	Sudden Release of Pressure <u>N</u>
	Delayed <u>N</u>	Reactive <u>N</u>	

**Reportable Quantity (RQ) U.S. CERCLA:** None    **SARA, Title III, Section 313:** None    **CA Proposition 65:** Not listed

**16. OTHER**    Date of Issue: 02/12/14    Supersedes: New

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