

# MATERIAL SAFETY DATA SHEET



Date Issued: 01/14/2009

MSDS No: 6091

## DYNASTRIP 6000

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** DYNASTRIP 6000

**PRODUCT CODE:** 6091, 6092

#### MANUFACTURER

Tarr Acquisition, LLC

4115 W. Turney Ave.

Phoenix AZ 85019

**Service Number:** 602-233-2000

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** DANGER! Corrosive. Causes eye and skin burns, harmful and corrosive if swallowed. Harmful if inhaled or absorbed through skin. Aspiration may cause lung damage. Repeated exposure may cause liver and kidney damage. **KEEP OUT OF REACH OF CHILDREN.** Use good personal hygiene when handling this product. Wash hands after use.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Severely irritating to the eyes and may cause eye burns. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

**SKIN:** Severely irritating to the skin and may cause burns.

**INGESTION:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May produce corrosive damage to the gastrointestinal tract if it is swallowed.

**INHALATION:** May cause irritation to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Dimethylsulfoxide (DMSO)	60 - 80	67-68-5
Ethanol, 2-amino-	20 - 40	000141-43-5
Tetramethyl Ammonium Hydroxide	2.5 - 10	75-59-2

#### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation occurs or persists.

**SKIN:** Flush skin with water while removing contaminated clothing. If irritation occurs, get medical attention. Do not reuse clothing or shoes until cleaned.

**INGESTION: DO NOT INDUCE VOMITING.** Do not attempt to give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**NOTES TO PHYSICIAN:** This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** 91.56°C (196.8°F)

**FLAMMABLE LIMITS:** Not available. to Not available.

**EXTINGUISHING MEDIA:** Use foam, CO<sub>2</sub> (carbon dioxide), dry chemical or water fog.

**FIRE FIGHTING EQUIPMENT:** Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide and other hydrocarbon fragments.

#### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Remove all sources of ignition and provide ventilation. Wear protective clothing as given in section 8. Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material with absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal using non-sparking equipment. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for proper disposal.

#### 7. HANDLING AND STORAGE

**HANDLING:** Avoid prolonged or repeated skin contact with this material. Wash thoroughly after handling.

**STORAGE:** Keep containers tightly closed and in a cool, well-ventilated place. Keep away from heat.

#### 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethanol, 2-amino-	TWA	3 ppm <sup>[1]</sup>	6 mg/m <sup>3</sup> <sup>[1]</sup>	3 ppm	7.5 mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
	STEL	ppm	mg/m <sup>3</sup>	6 ppm	15 mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
<b>OSHA TABLE COMMENTS:</b>							
1. NL = Not Listed							

**ENGINEERING CONTROLS:** Explosion-proof exhaust ventilation should be used if material is heated above its flash point.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Use safety glasses; chemical goggles (if splashing is possible).

**SKIN:** Wear chemical resistant gloves such as: Neoprene, butyl or nitrile or consult your safety equipment supplier.

**RESPIRATORY:** Normally not required if adequate ventilation. If exposure may or does exceed occupational exposure limits (Sec. 8) use a NIOSH/MSHA approved apparatus.

**WORK HYGIENIC PRACTICES:** Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**pH:** Not Available

**VAPOR PRESSURE:** 0.52 hPa

**Notes:** estimated

**VAPOR DENSITY:** Not Available

**BOILING POINT:** 182°C (359.6°F) Estimated

**FLASHPOINT AND METHOD:** 91.56°C (196.8°F)

**EVAPORATION RATE:** Not Available

**DENSITY:** ~ 9.00

**SPECIFIC GRAVITY:** 1.069 to 1.079

**Notes:** Estimated

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide and unidentified organic compounds may be formed during combustion.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents (peroxides, chlorine, strong acids).

## 11. TOXICOLOGICAL INFORMATION

### CARCINOGENICITY

**Notes:** Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**MUTAGENICITY:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION:

Product:

Dynastrap 6000 (mixture) LC50 fish: 1502 mg/l (96 hour)

Components:

Ethanol,2-amino- (141-43-5) LC50 Rainbow trout, donaldson trout (*Oncorhynchus mykiss*): 114-196 mg/l (96 hours)

Methane, sulfinylbis- (67-68-5) LC50 Rainbow trout, donaldson trout (*Oncorhynchus mykiss*): 33000-37000 mg/l (96 hours)

Ecotoxicity: When neutralized, this product is not expected to product significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

**BIOACCUMULATION/ACCUMULATION:** This product readily biodegrades in soil, sludge and water.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of waste material according to local, State, Federal, and Provincial Environmental Regulations.

**EMPTY CONTAINER:** KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous.

**RCRA/EPA WASTE INFORMATION:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Corrosive Liquid, Basic, Inorganic N.O.S

**TECHNICAL NAME:** (ethanol, 2-amino-)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN 3266

**PACKING GROUP:** III

**NAERG:** 154

**LABEL:** Corrosive liquid

**15. REGULATORY INFORMATION****UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**

Corrosive

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

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

**313 REPORTABLE INGREDIENTS:** To the best of our knowledge, chemicals in this product are not listed as toxic chemicals under Section 313 of SARA Title III.

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** To the best of our knowledge, none of the chemicals in this product are listed as an extremely hazardous substance under Section 302 of SARA Title III nor does this product contain any other such substances.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** All ingredients in this mixture are listed with TSCA.

**GENERAL COMMENTS:** The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

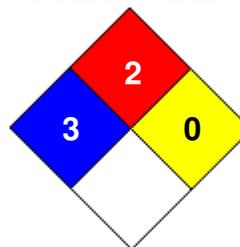
**16. OTHER INFORMATION**

**PREPARED BY:** COMPLIANCE DEPT.

**REVISION SUMMARY:** New MSDS

**HMIS RATING**

<b>HEALTH:</b>	<b>3</b>
<b>FLAMMABILITY:</b>	<b>2</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	

**NFPA CODES**

**HMIS RATINGS NOTES:** The HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in the MSDS must be considered. Personal protection rating to be supplied by user depending on use conditions.

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