

# MATERIAL SAFETY DATA SHEET

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## SECTION 1 CHEMICAL PRODUCT IDENTIFICATION

**Product:** AGRI-TEC 140 SOLVENT  
**Synonyms/Other:** Not applicable.  
**MSDS CODE:** 10209  
**Product Type:** Petroleum solvent  
**Preparation/Revision Date:** 03/17/2009

## SECTION 2 COMPOSITION INFORMATION

INGREDIENTS	CAS #	%	OSHA TWA	OSHA STEL	ACGIH TWA	SKIN
Hydrotreated light distillate and/or	64742-47-8	100	500 ppm	--	100 ppm	NO
Hydrotreated light distillate	8052-41-3	100	500 ppm	--	100 ppm	NO

**Comments:** Recommend supplier ACGIH Threshold Limit Value (TLV) is 200 ppm.

## SECTION 3 HAZARDOUS IDENTIFICATION

**WARNING:** - MAY CAUSE EYE IRRITATION  
- MAY CAUSE SKIN IRRITATION

**Eye contact:** Direct contact may cause irritation, redness, tearing and blurred vision.

**Skin contact:** Avoid prolonged skin contact. This product contains materials that may cause skin irritation. Prolonged or repeated contact may result in dermatitis (dryness, chapping and reddening of skin).

**Inhalation:** Overexposure by inhalation of concentrated material may cause nonspecific discomfort, such as nausea, headache, or weakness. Caution should be taken to prevent aerosolization or misting of this product without proper respiratory protection.

**Ingestion:** Do not ingest. Product is expected to be an aspiration hazard. Should aspiration occur, may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking and gagging are often noted at the time of aspiration. This product has laxative properties and may result in abdominal cramps and diarrhea.

**Other:** Not applicable.

## SECTION 4 FIRST AID MEASURES

**Eye contact:** Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

**Skin contact:** Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. Wash contaminated clothing before reuse.

**Inhalation:** If overcome by inhalation concentrated vapors, remove to fresh air. Use oxygen if there is difficulty breathing or artificial respiration if breathing has stopped. Do not leave victim unattended. Seek immediate medical attention if

necessary.

**Ingestion:** Do not induce vomiting because of danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs keep head below hips to prevent aspiration and monitor for breathing difficulty. Gastric lavage should be performed only by qualified medical personnel. Keep affected person warm and at rest. Seek immediate medical attention.

**Other:** Not applicable.

## **SECTION 5 FIRE FIGHTING MEASURES**

**Flash point:** 62°C (143°F) by ASTM D 56.

**Flammable limits:** Lower explosive limit (LEL): 1.4 % volume in air at 25°C (77°F).  
Upper explosive limit (UEL): 9.3% volume in air at 25°C (77°F).

**Extinguishing media:** Use water spray, dry chemical, alcohol foam, all purpose AFFF or carbon dioxide to extinguish fire.

**Special firefighting procedures:** Evacuate area and fight fire from a safe distance. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak.

Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible (safely). Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety device or any discoloration of storage tank due to fire.

Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

**Unusual fire & explosion hazards:** Dense smoke may be generated while burning. Toxic fumes, gases or vapors may evolve on burning. Heavy flammable vapors may settle along ground level and low spots to create an invisible fire hazard. The vapors may extend to sources of ignition and flash back.

**Byproducts of combustion:** Fires involving this product may release COx, NOx, reactive hydrocarbons and irritating vapors.

**Autoignition temperature:** 227°C (441°F).

**Explosion data:** Not determined. Care should always be exercised in dust/mist areas.

**Other:** Not applicable.

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Spill control procedures (land):** Immediately turn off or isolate any source of ignition (pilot lights, electrical equipment, flames, heaters, etc.). Evacuate area and ventilate. Personnel wearing proper protective equipment should contain spill immediately with inert materials (sand, earth, chemical spill pads of cotton - no combustible materials) by forming dikes. Dikes should be placed to contain spill in a manner that will prevent material from entering sewers and waterways. Large spill, once contained, may be picked up using explosion proof, non-sparking vacuum pumps, shovels, or buckets, and disposed of in suitable containers for disposal. If a large spill occurs notify appropriate authorities (National Response Center).

**Spill control procedures (water):** Remove from surface by skimming or with suitable adsorbents. If a large spill occurs notify appropriate authorities (normally the National Response Center or Coast Guard). If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters.

**Waste disposal method:** Most oil or solvent based products are incinerated, land-filled or reclaimed. All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded may be a regulated waste. Refer to state and local

regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See Section 14.

**Other:** CAUTION - If spilled material is cleaned up using a regulated solvent, the resulting waste mixture will be regulated.

## **SECTION 7 HANDLING AND STORAGE**

**Handling procedures:** Keep containers closed when not in use. Do not transfer to unmarked containers. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106 -- Flammable and Combustible Liquids. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld, or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

**Storage procedures:** Electrostatic accumulation hazard. Use proper bonding and/or grounding procedure. Reference American Petroleum Institute's (API) Recommended Practice 2003 - Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents, or the National Fire Protection Association (NFPA) publications NFPA 77 - Static Electricity.

Store containers away from heat, sparks, electrical switches/motors, open flame, or oxidizing materials.

**Additional information:** No additional information.

## **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal protection:** Applicable mainly to persons in repeated contact situations such as packaging of product, service/maintenance, and cleanup/spill control personnel.

**Respiratory protection:** None required if airborne concentrations are maintained below threshold limits listed on page one. Otherwise a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed. Where misting may occur, wear an MSHA/NIOSH approved (or equivalent) half-mask form dust/mist air purifying respirator.

**Eye protection:** Eye protection is strongly recommended. If material is handled such that it could be splashed into the eyes, wear safety glasses with side shields or vented/splash proof goggles (ANSI Z87.1 or approved equivalent).

**Hand protection:** Impervious gloves such as neoprene or nitrile rubber to avoid skin sensitization and absorption.

**Other protection:** Use of an apron and overboots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization and absorption. If handling hot material use insulated protective equipment. Launder soiled clothes. Properly dispose of contaminated leather articles and other materials which cannot be decontaminated.

**Local control measures:** Use adequate ventilation when working with material in an enclosed area. Mechanical methods such as appropriate fume hoods or area fans may be used to reduce localized vapor/mist areas. If vapor or mist is generated when the material handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure. Eyewash stations and showers should be available in areas where this material is used and stored.

**Other:** Consumption of food and drink should be avoided in work areas where product is present. Always wash hands and face with soap and water before eating, drinking or smoking.

## **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**Vapor pressure:** 1.1 mm Hg at 20°C (68°F).

**API gravity:** 48.6 at 15.6°C (60.0°F).

**Density:** 6.54 lbs/gal at 15.6°C (60.0°F).

**Specific gravity:** 0.79 at 15.6°C (60.0°F).

**Solubility:** Negligible in water, miscible in most petroleum solvents.

**Percent volatile:** 100% volume.

**Vapor density (air=1):** 5.4.

<b>Evaporation rate (n-Butyl Acetate=1):</b>	0.06.
<b>Odor:</b>	Low odor.
<b>Appearance:</b>	Water-white, very thin fluid.
<b>Viscosity:</b>	Not determined.
<b>Boiling point:</b>	Not determined.
<b>Pour point:</b>	<-60°C (76°F) by ASTM D 97.
<b>Other:</b>	Average molecular weight: 154.

## SECTION 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Material is stable at room temperatures and pressure.
<b>Conditions to avoid:</b>	Avoid high temperatures, product contamination, electrical discharge.
<b>Incompatibility with other materials:</b>	Avoid contact with acids and oxidizing materials.
<b>Decomposition products:</b>	Smoke, carbon monoxide and dioxide, and other aldehydes of incomplete combustion. Oxides of COx, NOx, reactive hydrocarbons and irritating vapors.
<b>Hazardous polymerization:</b>	Will not occur.
<b>Other:</b>	Not applicable.

## SECTION 11 TOXICOLOGICAL INFORMATION

<b>Oral toxicity:</b>	Not determined.
<b>Dermal toxicity:</b>	Not determined.
<b>Inhalation toxicity:</b>	On rare occasions, prolonged and repeated exposure to solvent mist poses a risk of pulmonary disease such as chronic lung inflammation. This condition is usually asymptomatic as a result of repeated small aspirations. Shortness of breath and cough are the most common symptoms. Based on data from similar materials.
<b>Dermal sensitization:</b>	Prolonged or repeated contact may make skin more sensitive to other skin sensitizers. Based on data from similar materials.
<b>Chronic toxicity:</b>	Not determined.
<b>Carcinogenicity:</b>	This material has not been identified as a carcinogen by NTP, IARC, or OSHA. No additional information available.
<b>Mutagenicity:</b>	Not determined.
<b>Reproductive toxicity:</b>	Not determined.
<b>Other:</b>	Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as Solvent or Painters' Syndrome). Intentional misuse by deliberately concentrating and inhaling this material may be harmful or fatal.

## SECTION 12 ECOLOGICAL INFORMATION

<b>Environmental toxicity:</b>	This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.
<b>Environmental fate:</b>	Not determined.
<b>Other:</b>	Not applicable.

## SECTION 13 DISPOSAL CONSIDERATIONS

<b>Waste disposal:</b>	Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. This product unadulterated by other materials may be classified as a non-regulated waste in some areas - but still needs to be disposed of at approved facilities. Waste management should be in full compliance with federal, state, and local laws.
<b>Disposal consideration:</b>	Depending upon use of product, incineration, reclamation or re-use may be applicable. Contact local waste disposal sites and carriers for available options.
<b>Other:</b>	The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270.



<b>HEALTH:</b>	1	1	0 = Minimal
<b>FIRE:</b>	2	2	1 = Slight
<b>REACTIVITY:</b>	0	0	2 = Moderate
<b>SPECIFIC HAZARD:</b>	NONE	N/A	3 = Serious
<b>PROTECTION INDEX:</b>	N/A	B	4 = Severe

Precautionary labels:     - MAY CAUSE EYE IRRITATION  
                                   - MAY CAUSE SKIN IRRITATION

This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used. Lube-Tech must rely on information provided by those materials manufacturers or distributors.

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