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SECTION 1 - PRODUCT INFORMATION

TRADE NAME:	AYTAŞ FUELPASTE™ CHAFING FUEL
MANUFACTERER:	Aytaş Tarım Ürünleri San Tic A.Ş.
PACKAGE:	Cans (72 per case)
CHEMICAL FAMILY:	Gel (or Jelled) Ethanol
PRODUCT IS:	Mixture; CAS number not applicable
GENERAL INFORMATION:	A gel alcohol fuel for warming food in chafing dishes only. The fuel is ethanol gel.
DATE PREPARED:	03/03/2011
HMIS HAZARD RATING:	HEALTHY: 1, FIRE:3, REACTIVITY: 0

SECTION 2 - COMPOSITION/INFORMATION OF INGREDIENTS

COMPOSITION	CAS(NO)	%(VL)	TLV (UNT)	EINECS	SYMBOL	R
Ethanol	64-17-5	85	1000 ppm	200-578-6	F	R11

Does not contains Methanol, Acetone, Denatonium Benzouate, TertiaryButanol.
Contains just only Ethanol as flammable solvent.

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE AND ODOR:	Transparent colourless solid gel, alcohol odor
SPECIFIC GRAVITY (H2O=1):	0,837 g/cm ³ at 20C (68F)
% VOLATILE BY VOLUME:	%98
SOLUBILITY IN WATER:	Mostly slightly soluble, gel is slowly dissolved in water
pH:	7 (6-8 as is)
VAPOR DENSITY (AIR=1)	1,6
WATER OIL DISTR. COEFF.:	Not applicable
ODOUR TYPE:	Alcohol
FREEZING POINT:	Not Applicable
MELTING POINT:	-114 C (-173 F)
BOILING POINT:	80 C (176 F)
EVAPORATION RATE:	3,2
VAPOR PRESSURE:	44 mm Hg at 20C (68F)

SECTION 4 - HAZARDS IDENTIFICATION

<i>EYE CONTACT:</i>	<i>Eye irritant upon direct contact. Exposure may cause mild eye irritation. Symptoms may include stinging, tearing and redness.</i>
<i>SKIN CONTACT:</i>	<i>May cause skin irritation upon prolonged contact. Prolonged exposure may dry the skin.</i>
<i>INGESTION:</i>	<i>Possible alcoholic breathe, exhilaration followed by CNS depression, slurred speech, convulsions and hypoglycemia. Ingestion of ethanol causes depression of central nervous system with symptoms such as lack of coordination, impaired vision, reduced reaction time, slurred speech, impaired judgement, nausea/vomiting and unconsciousness when ingested in large amounts.</i>
<i>INHALATION:</i>	<i>Burn product in a well ventilated area. No acute effects are expected. Product's raw materials are not expected to be harmful.</i>
<i>PRECAUTIONARY LABELING:</i>	<i>Caution flammable mixture. Keep away from children. Do not use near fire or flame.</i>
<i>BREATHING:</i>	<i>Excessive inhalation of vapors can cause nasal and respiratory irritation.</i>
<i>SWALLOWING:</i>	<i>Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.</i>

SECTION 5 - FIRST AID MEASURES

<i>EYE CONTACT:</i>	<i>Immediately flush eye with large amounts of warm water, lifting upper and lower lids occasionally for 20 minutes. If irritation persists, contact poison center or doctor.</i>
<i>SKIN CONTACT:</i>	<i>Wash exposed area with soap and water. Remove contaminated clothing. If symptoms continue seek medical attention.</i>
<i>INGESTION (SWALLOWED):</i>	<i>Drink sips of warm water or milk. Drink 2 glass of water. If symptoms persist, contact poison center or doctor.</i>
<i>INHALATION:</i>	<i>Seek fresh air and take slow deep breaths. Drink some water. If breathing is difficult seek medical attention.</i>

SECTION 6 - FIRE FIGHTING MEASURES

<i>FLASH POINT:</i>	<i>17 C (63 F) Tag closed up</i>
<i>AUTOIGNITION:</i>	<i>425 C (797 F)</i>
<i>EXTINGUISHING MEDIA:</i>	<i>Alcohol resistant film forming fluoroprotein (AR-FPPP) foam extinguisher, water, water mist, CO₂, foam, dry chemical.</i>
<i>SPECIAL FIRE FIGHTING PROC.:</i>	<i>No known toxic combustion products or special fire fighting hazards. Self contained breathing apparatuses and protective clothing should be worn when fighting chemical fires. Do not use high pressure stream of water to extinguish burning material.</i>
<i>UNUSUAL FIRE EXP. HAZARD:</i>	<i>Closed cans exposed to flame and heat may rupture violently, scattering burning fragments.</i>

SECTION 7 - REACTIVITY DATA

<i>STABILITY:</i>	<i>Stable</i>
<i>INCOMPATIBILITY:</i>	<i>Heat, open flame, strong oxidizers.</i>
<i>HAZARDOUS DECOMPOSITION:</i>	<i>Burning may cause carbon dioxide and/or carbon monoxide if inadequate oxygen.</i>
<i>HAZARDOUS POLYMERIZATION:</i>	<i>Will not occur.</i>

SECTION 8 - TOXICOLOGICAL INFORMATION

INGREDIENT	ACGIH	IARC	NTP
ETHANOL	A4	NOT LISTED*	NOT LISTED

**Occupational exposure to ethanol has not been associated with carcinogenicity.*

ACUTE TOXICITY

INGREDIENT	LD50 ORAL(mg/kg)	LD50 DERMAL(mg/kg)	LC50 INHALATION(mg/m ³ 4hrs)
Ethanol	7060 (rat)	N/A	39 000 (mouse)

SECTION 9 - HANDLING AND STORAGE

STORAGE: *Store in a cool dry place (40-120F or 4-50C). Provide adequate ventilation in area of use. Store away from sources of heat or open flame. Keep container closed when not use. Check for signs of spillage or leakage.*

STORAGE PRESSURE: *Not available*

HANDLING: *Avoid contact with skin and eyes. Do not ingest. Place can in fuel holder or under chafer before lighting. Burn can in a level upright position. Keep away from combustibles (i.e. paper plates and napkins). Keep away from children. Ensure that the can is in a level, upright position.*

SECTION 10 - ACCIDENTAL RELEASE MEASURES

SMALL SPILL: *Absorb spill on vermiculite paper. Remove from all ignition sources. Make sure there is adequate ventilation. Clean area with water until all material is absorbed and removed.*

LARGE SPILL: *Eliminate all ignition sources. Ventilate area. Wear appropriate protective equipment. Contain and recover liquid into an appropriate container and absorb excess with vermiculite paper.*

SECTION 11 - EXPOSURE CONTROLS / PERSONAL PROTECTION

GENERAL CONTROLS: *Avoid contact with skin and eyes. Provide adequate ventilation.*

EYE PROTECTION: *Not required for normal use. Avoid eye contact.*

SKIN PROTECTION: *Not required for normal use. Avoid contact with skin. Do not remove gel from container.*

RESPIRATORY PROTECTION: *Not required for normal use.*

PRECAUTIONARY LABELING: *Caution flammable mixture. Keep away from children. Do not use near fire or flame.*

EXPOSURE GUIDELINES: *Ethanol Osha Pel 1000ppm (TWA), ACGIH TLV=1000ppm (TWA), Ontario TWAEV 1000ppm. (1000ppm=1900mg/m³)*

SECTION 12 - ECOLOGICAL INFORMATION

GENERAL: *When released into water ethanol will volatilize and biodegrade quickly. Ethanol is not expected to bio-concentrate or absorb to aquatic sediments.*

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not dump into any sewer, on the ground or into any body of water. Dispose of in accordance with all applicable federal, state and local regulations. Purchaser is responsible for proper waste disposal of any partial to full containers.

SECTION 14 - TRANSPORTATION

DOT CLASSIFICATION: Flammable Solid, Organic, N.O.S.(Contains ethanol)
INTERNATIONAL: IMO 4.1, UN 1325, PG III
QUANTITY FOR US SHIPMENT: None
DOT SPECIAL PROVISIONS: A1, IB8, IP2, IP4, T3, TP1
DOT PACKING EXPECTATIONS: 173.151
DOT NONBULK PACKAGE: 173.212
DOT BULK PACKAGE: 173.240
MARINE POLLUTANTS: Not Applicable
IATA PACKING: Passenger/Cargo:419, Cargo Only:420, Limited Quantity:Y419
MAX NET QUANTITY PER PACK: Passenger/Cargo:25kg, Cargo Only:100kg, Limited Quantity:10kg

SECTION 15 - REGULATORY INFORMATION

CATEGORY HMIS & NFPA: Acute Health:1, Flammability:3, Reactivity:0
OSHA: N/A
TSCA: Ethanol is listed on TSCA inventory.
CLEAN AIR: N/A
CLEAN WATER: N/A
WHMIS: B4 Flammable Solid, D2B Material causing other toxic effects.
EU: R11 Highly Flammable, S2 Keep out of children, S7 Keep container tightly closed, S16 Keep away from sources of ignition, No smoking.

SECTION 16 – OTHER INFORMATION

The above data is based on tests and experience, which Aytaş believes reliable and is supplied for informational purposes only. Aytaş's products are intended for sale to industrial and commercial costumers. Aytaş requests inspect and test our products before use and satisfy themselves as to contents and suitability. Some information presented conclusions drawn herein may be from sources other than direct test data on the substance itself. Aytaş disclaims any liability for damage or injury which results from use of above data, and nothing contained therein shall constitute a gurantee, warranty (including warranty or merchantability) representation (including freedom from patent liability) by the Aytaş with respect to data, the product describes, or their us efor any specific purpose, even if that purpose is known to Aytaş. The information contained herein is furnished without warranty of anykind. Employers should use this information only as a supplement to other information gathered by them and must conduct testing or make independent determinations of suitability and completeness of information from all sources to assure proper use of these meterials and the safety and health of employees. Aytaş makes no represantation, gurantee or warranty, expressed or implied as to the accuracy, reliability or completeness of the information and assumes no responsibility injury, damage or loss resulting from the use of the meterial.

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