

## Han-San Intermediate Fg

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name: Pariser Industries  
Address : 91 Michigan Ave  
Paterson, NJ 07503  
Website : www.Pariser.net  
Phone : 973-569-9090  
Emergency Phone : 1-800-424-9300 (Chemtrec)  
Chemtrec Contract : CCN16764

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Date Printed: 3/31/2020  
Name of Preparer: Environmental Dept

Product Name: Han-San Intermediate Fg  
CAS No. : Mixture  
Product Form: Liquid  
Trade Secret Registry # 307554- 6116P

HMIS Codes:

H	F	R	P
2	3	0	B

UN Number: UN1170

Recommended Use of Chemical: Industrial

### SECTION 2 HAZARDS IDENTIFICATION

#### GHS Hazards

Flammable liquids Category 2  
Eye irritation Category 2A

#### LABEL ELEMENTS

##### Hazard symbols



Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

## Precautionary statements

- Prevention**
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  - P233 Keep container tightly closed.
  - P240 Ground/bond container and receiving equipment.
  - P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
  - P242 Use only non-sparking tools.
  - P243 Take precautionary measures against static discharge.
- Response**
- P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.
  - P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P337 + P313 If eye irritation persists: Get medical advice/ attention.
- Storage**
- P403 + P235 Store in a well-ventilated place. Keep cool.
- Disposal**
- P501 Dispose of contents/ container to an approved waste disposal plant.

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## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Ethanol	64-17-5	60%
2-Propanol, 2-methyl-	75-65-0	0.1

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

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## SECTION 4 FIRST AID MEASURES

- Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Skin contact** Open skin wounds, ulcerations, or sensitive skin may become painful during use. If the pain requires mitigation, wash off immediately with water. Wash affected clothing before reuse.
- Inhalation** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.
- Ingestion** If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

## SECTION 5 FIREFIGHTING MEASURES

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### FLAMMABLE PROPERTIES

**Fire/explosion** Flash back possible over considerable distance. NFPA Class IB flammable liquid.

**Suitable extinguishing media** Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

**Protective equipment and precautions for firefighters** Wear self-contained breathing apparatus and protective suit. Keep containers and surroundings cool with water spray.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

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**Methods and materials for containment and cleaning up** Evacuate personnel to safe areas. Remove all sources of ignition. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Do not flush into surface water or sanitary sewer system.

**Spill precautions** Material can create slippery conditions.

## SECTION 7 HANDLING AND STORAGE

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**Safe handling advice** Ensure all equipment is electrically grounded before beginning transfer operations. Keep away from heat and sources of ignition.

**Storage/Transport pressure** Ambient

**Load/Unload temperature** Ambient

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING MEASURES

Ensure adequate ventilation, especially in confined areas.

### PERSONAL PROTECTIVE EQUIPMENT

**Eyes** Wear as appropriate: Goggles, Face-shield

**Skin** Wear as appropriate: Suitable protective clothing, gloves and eye/face protection.

**Inhalation** Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

## EXPOSURE GUIDELINES

<u>Components</u>	<u>Exposure limit(s)</u>
<b>Ethanol</b>	ACGIH STEL 1,000 ppm OSHA PEL 1,000 ppm 1,900 mg/m <sup>3</sup>
<b>2-Propanol, 2-methyl-</b>	OSHA PEL 100 ppm 300 mg/m <sup>3</sup> ACGIH TLV (8-hour) 100 ppm

PEL= Permissible Exposure Limits  
 TLV= Threshold Limit Value  
 EL= Excursion Limit

TWA= Time Weighted Average (8 hr.)  
 STEL= Short Term Exposure Limit (15 min.)  
 WEEL= Workplace Environmental Exposure Level

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	liquid;
<b>Colour</b>	Clear, colorless
<b>Form</b>	liquid
<b>Odour</b>	alcohol-like
<b>Odour Threshold</b>	no data available
<b>Flash point</b>	13 °C, 55.4 °F; TCC (ASTM D56);
<b>Flammability</b>	Upper explosion limit: 20 %(V) Lower explosion limit: 4 %(V)
<b>Boiling point/boiling range</b>	74 - 80 °C, 165.2 - 176 °F;
<b>Melting point/range</b>	ca. -114 °C, -173 °F;
<b>Auto-ignition temperature</b>	ca. 400 °C, 752 °F; ASTM D 2155;
<b>Decomposition temperature</b>	no data available
<b>Flammability (solid, gas)</b>	no data available
<b>Vapour pressure</b>	ca. 66.661 hPa @ 20 °C, 68 °F;
<b>Vapour density</b>	no data available
<b>Density</b>	0.79 g/cm <sup>3</sup> @ 15.5 °C, 60 °F; (200 pf)
<b>Specific gravity</b>	no data available
<b>Water solubility</b>	completely miscible

**Viscosity** no data available  
**pH** no data available  
**Evaporation rate** no data available  
**Partition coefficient: n-octanol/water** no data available

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## SECTION 10 STABILITY AND REACTIVITY

**Reactivity** Stable at normal ambient temperature and pressure.  
**Chemical stability** No decomposition if stored and applied as directed.  
**Conditions to avoid** Keep away from heat and sources of ignition.  
**Hazardous decomposition products** Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.  
**Materials to avoid** Can react with strong oxidizers, inorganic acids, and halogens.  
**Hazardous polymerisation** None.

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## SECTION 11 TOXICOLOGICAL INFORMATION

**Acute dermal toxicity** LD50 rabbit: > 2,000 mg/kg; OECD Test Guideline 402(literature value)  
**Acute inhalation toxicity** LC50 mouse (4 hours): > 20 mg/l (literature value)  
**Acute oral toxicity** LD50 rat: 2,000 mg/kg; OECD Test Guideline 401 (literature value)  
**Skin corrosion/irritation** (rabbit): OECD Test Guideline 404 Not irritating, (literature value)  
**Eye damage/irritation** (rabbit): OECD Test Guideline 405 irritating, (literature value)  
**Respiratory or skin sensitization** guinea pig: not sensitizing; Maximisation Test (literature value)  
**Germ cell mutagenicity** **Genotoxicity in vitro:**  
 Type: Ames test; OECD Test Guideline 471  
 System: Salmonella typhimurium; with and without metabolic activation  
 Result: In vitro tests did not show mutagenic effects. (literature value)  
**Genotoxicity in vivo:**  
 no data available  
**Assessment Mutagenicity:**  
 Based on available data, the classification criteria are not met.

<b>Reproductive toxicity</b>	<b>Reproductive toxicity:</b> no data available  <b>Assessment Reproductive toxicity:</b> no data available  <b>Teratogenicity:</b> no data available  <b>Assessment teratogenicity:</b> no data available
<b>STOT - single exposure</b>	no data available
<b>STOT - repeated exposure</b>	rat; Oral; 90-day; NOAEL: 1,730 mg/kg LOAEL: 3,160 mg/kg Based on available data, the classification criteria are not met.
<b>Aspiration toxicity</b>	no data available
<b>Carcinogenicity</b>	<b>Assessment carcinogenicity:</b> Contains no ingredient listed as a carcinogen

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## SECTION 12      ECOLOGICAL INFORMATION

<b>Toxicity to fish</b>	LC50 (Pimephales promelas (fathead minnow)) 96 hours: > 100 mg/l; flow-through test (literature value)
<b>Toxicity to aquatic invertebrates</b>	EC50 (Ceriodaphnia Dubia (water flea)) 48 hours: > 100 mg/l; static test (literature value)
<b>Toxicity to algae</b>	EC50 (Chlorella vulgaris) 72 hours: > 100 mg/l; static test; OECD Test Guideline 201 (literature value)
<b>Chronic toxicity to aquatic invertebrates</b>	NOEC (Ceriodaphnia Dubia (water flea)) 10 d: 9.6 mg/l; semi-static test (literature value)
<b>Biodegradation</b>	Readily biodegradable.  OECD Test Guideline 301B (28 d): > 60 % (literature value)
<b>Bioaccumulation</b>	No bioaccumulation is to be expected (log Pow <= 4).
<b>Mobility in soil</b>	no data available
<b>Other adverse effects</b>	no data available

## SECTION 13      DISPOSAL CONSIDERATIONS

- Waste Code**    D001 - Ignitability (RQ 100 LB). This product has the RCRA characteristic of ignitability. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification.
- Disposal methods**    Dispose of only in accordance with local, state, and federal regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.
- Empty containers.**    Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

## SECTION 14      TRANSPORT INFORMATION

- DOT**    UN 1170, Ethanol solutions, 3, II
- IATA**    UN 1170, Ethanol solutions, 3, II
- IMDG**    UN 1170, Ethanol solutions, 3, II

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

**Remarks**    no data available

## SECTION 15      REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

**OSHA Hazards (HCS 1994)**

Flammable liquid, Eye irritation, Skin irritation

**TSCA Inventory Listing**

Components

Ethanol  
2-Propanol, 2-methyl-

CAS-No.

64-17-5  
75-65-0

**SARA 302 Status**

Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

CAS-No.

Weight percent

**SARA 311/312 Classification**

"Fire hazard", "Immediate (acute) health hazard"

**SARA 313 Chemical**

Components

2-Propanol, 2-methyl-

CAS-No.

75-65-0

Weight percent

0.1 %

**US. EPA CERCLA Hazardous Substances (40 CFR 302)**

Components

none

Reportable Quantity

Weight percent

**INTERNATIONAL REGULATIONS**

**WHMIS Classification**

Class B, Division 2: Flammable liquid.

Class D, Division 2, Subdivision B: Toxic material.

**European Union**

Classification according to Regulation (EU) 1272/2008.

Flammable liquids, Category 2

Eye irritation, Category 2

Australia. Inventory of Chemical Substances (AICS)	Listed
Japan. Inventory of Existing and New Chemical Substances (ENCS)	Listed
Japan. Industrial Safety & Health Law (ISHL) Inventory	Listed
Canada. Domestic Substances List (DSL) Inventory	Listed
Canadian Non-Domestic Substance Listing (NDSL)	Not listed
European Inventory of Existing Commercial Chemical Substances (EINECS) Listing	Listed
Philippines. Inventory of Chemicals / Chemical Substances (PICCS)	Listed
Korea. Existing Chemicals Inventory (KECI)	Listed
China. Inventory of Existing Chemical Substances (IECSC)	Listed
Mexico. National Inventory of Chemical Substances (INSQ)	Listed
New Zealand. Inventory of Chemicals (NZIoC)	Listed
Switzerland. Inventory of Notified New Substances (CHINV)	Listed
Taiwan. National Existing Chemical Inventory (NECI)	Listed

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

**STATE REGULATIONS**

**California Prop. 65**

Components

none

CAS-No.

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## SECTION 16 – OTHER INFORMATION

**Date of Preparation of SDS/Date of Last Change:** March 31, 2020

**Disclaimer:**

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