

# Material Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name** : F.TAR

**Manufacturer** : STEK CO., LTD.

**Address** : #1801 G HIGH CITY ,243 , Digital-ro, Guro-gu, Seoul, Korea

**Tel** : 82-2-6235-7835

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## 2. HAZARDS IDENTIFICATION

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**Globally Harmonized System of Classification and Label ling of Chemicals (GHS)**

Serious eye damage/eye irritation : 2

Skin corrosive/irritant : 2

Aspiration hazard : 3

**Label elements including precautionary statements**



**Signal word** : Warning

**Hazard statements :**

-H315 : Causes skin irritation.

-H319 : Causes severe eye irritation.

-H335 : May cause respiratory irritation.

**Precautionary statements :**

**Prevention**

-P201 : Instruction book issued to secure.

-P202 : All safety precautions have been read and understand before you use

- 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.
- P260 : (Dust, gas, mist, steam, spray) do not inhale
- P264 : Wash your hand thoroughly after handling.
- P270 : When using this product, Don't eat , drink or smoke
- P280 : Wear protective gloves/protective clothing/eye protection/face protection.

#### **Response**

- P301+P310 : IF SWALLOWED : Immediately call a POISON CENTER or doctor/physician.
- P302+P352 : IF ON SKIN : Wash with plenty of soap and water.
- P303+P361+353 : IF ON SKIN(or hair):Remove/Take off immediately all contaminated clothing  
Rinse skin with water/shower.
- P331 : Do not induce vomiting
- P332+P313 : If skin irritation occurs : Get medical advice /attention.
- P362 : Take off contaminated clothing and wash before reuse.
- P370+P378 : In case of fire : Use Dry Chemicals,Co2,for extinction.

#### **Storage**

- P403+P235 : Store in a well-ventilated place. Keep cool
- P405 : Store locked up.

#### **Disposal**

- P501 : Dispose of contents/container to(in accordance with local/regional/national/international Regulation).

### **3. COMPOSITION ON INGREDIENTS**

| <b><u>INDREDIENT</u></b>             | <b><u>C.A.S. No.</u></b> | <b><u>%by Wt</u></b> |
|--------------------------------------|--------------------------|----------------------|
| <b>Water</b>                         | <b>7732-18-5</b>         | <b>70-80</b>         |
| <b>Orange oil</b>                    | <b>8028-48-6</b>         | <b>1-10</b>          |
| <b>3-Methoxy-3-methyl-1-butanol</b>  | <b>56539-66-3</b>        | <b>1-10</b>          |
| <b>Hydrotreated Light Distillate</b> | <b>64742-47-8</b>        | <b>1-10</b>          |

### **4. FIRST AID MEASURES**

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## FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact :** Flush eyes with large amount of water. If signs/symptoms persist, get medical attention.

**Skin Contact :** Wash affected area with soap and water. If signs/symptoms develop, get medical attention

**Inhalation :** Remove person to fresh air. Get immediate medical attention.

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention

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## 5. FIRE FIGHTING MEASURES

### Suitable extinguishing media :

**SMALL FIRE :** Use dry chemicals,CO<sub>2</sub>,water spray or alcohol-resistant foam.

**LARGE FIRE :** Use water spray, water fog or alcohol-resistant foam.

**Flash Point :** No Data Available

**Auto ignition temperature :** No Data Available.

**Flammable Limit – LEL :** No Data Available.

**Flammable Limit – UEL :** No Data Available.

### Specific hazards arising from the chemical :

Thermal decomposition may produce carbon monoxide and other toxic vapors.

### Special protective equipment and precautions for firefighters :

Wear an approved positive pressure self-contained breathing apparatus and firefighter turnout gear.

Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source,

Vapors can burn in open or explode if confined. Vapors may be heavier than air, May travel long

Distances along the ground before igniting and flashing back to vapor source. Fine sprays/mists may be

Combustible at temperatures below flash point. Fight fire from a safe distance/protected location.

Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of

Burns/injuries. Use water sprat/fog for cooling. Avoid frothing/steam explosion. Burning liquid may

floatwater. Although water soluble, may not be practical to extinguish fire by water dilution,.Notify

Authorities immediately if liquid enters sewer/public waters.

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## 6. ACCIDENTAL RELEASE MEASURES

**Measures matters and protective equipment in order to protect the human body**

Please avoid the inhalation (dust, gas, mist, vapor, spray) a.

Please follow the precautions.

Please isolate the contaminated areas.

Do not enter people who do not meet the protective equipment.

All of the ignition source, please remove

Please do not touch the hand to the damaged containers or spilled material without having to wear the appropriate protective clothing.

### **Environmental protection preventive measures**

Please do not discharge to the environment.

Enclosed space (waterway, sewage, underground) please to prevent the inflow of from.

### **How cleanup and removal**

Please put it in a container of science waste to absorb that flooded with inert material (eg dry sand or earth).

Please the liquid has been absorbed to contaminate the area washed with detergent and water.

Please make a groove and far with a large amount of leakage when the liquid spilled material.

A small amount of leakage at the sand, please put it in a container to absorb a non-combustible material

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## **7. HANDLING AND STORAGE**

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### **HANDLING**

Avoid breathing gas. Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Do not enter confined spaces unless adequately ventilated.

### **STORAGE**

Do not apply direct flame to cylinder. Do not store cylinder in direct sun or expose it to heat above 120F. Do not drop or refill this cylinder. Keep away from heat. Sparks and flames.

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

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### **ENGINEERING CONTROLS**

After Using, use with appropriate local exhaust ventilation.

### **PERSONAL PROTECTIVE EQUIPMENT(PPE)**

#### **Eye/Face Protection**

Avoid eye contact with vapors, mist, or spray

The following eye protections are recommended : Safety Glasses with side shields

#### **Skin Protection**

Avoid skin contact.

**Respiratory Protection**

Avoid breathing gas..

**Prevention of Swallowing**

Do not eat, drink or smoke when using this product.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Odor, Color, Grade :** Little odor , Colorless , Liquid

**General Physical Form :** Liquid

**Auto ignition temperature :** No Data Available

**Flash Point :** >=95°C

**Boiling point :** No Data Available.

**Flammable Limit – LEL :** No Data Available.

**Flammable Limit – UEL :** No Data Available.

**Viscosity:** No Data Available.

**Vapor Pressure :** No Data Available.

**Specific Gravity :** No Data Available.

**pH :** No Data Available.

**Melting Point :** No Data Available.

**Solubility in Water :** Insoluble

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**10. STABILITY AND REACTIVITY**

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**Stability :** Stable by Heat

**Hazardous Polymerization :** will not occur

**Hazardous**

**decomposition or by-products :** Thermal decomposition products include hydrogen fluoride, hydrogen chloride, carbon monoxide, carbon dioxide and chloride.

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**11. TOXICOLOGICAL INFORMATION**

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**Information on the likely routes of exposures.**

**Inhalation exposure:** Irritation, headache, sleepiness, dizziness, orientation loss.

**Ingestion exposure:** Irritation, vomiting, headache, dizziness, orientation loss, pulmonary congestion.

**Skin exposure:** May cause slight skin irritation. The liquid defats the skin.

**Eye exposure:** May cause slight eye irritation.

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## 12. ECOLOGICAL INFORMATION

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**Ecotoxicological Information :** Not determined.

**Chemical fate Information :** Not determined..

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## 13. DISPOSAL CONSIDERATIONS

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Recover, reclaim or recycle when practical. Dispose of in accordance with federal. State and local regulations.

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## 14. TRANSPORT INFORMATION

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**UN NO :** Not applicable

**UN proper shipping name :** Not applicable

**Transport hazad class :** Not applicable

**Packing group (if applicable) :** Not applicable

**Our products are not in violation of IATA, IMDG law.**

**Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises :** Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and Rules.

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## 15. REGULATORY INFORMATION

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No data available

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## 16. OTHER INFORMATION

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STEK makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade.