

Material Safety Data Sheet

1.PRODUCT AND COMPANY IDENTIFICATION

Product name : F.Interior

company : STEK CO.,LTD

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

Telephone : +82-2-6235-7835

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Recommended use of the chemical and restrictions on use

Recommended use : car care

2.HAZARDS IDENTIFICATION

Globally Harmonized System of Classification and Labelling of Chemicals(GHS)

Physical hazard : N/A

Health hazard : N/A

Environment hazard : N/A

Label elements including precautionary statements

Symbol : N/A

Signal word : N/A

Hazard statement : N/A

Precautionary statements :

P201: Obtain special instructions before use

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. [As modified by IV ATP[5]]

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.

P280: Wear protective gloves/protective clothing/eye protection/face protection. [As modified by IV ATP]

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. [As modified by IV ATP]

P308+313: If exposed: Call a POISON CENTER or doctor/physician.

P370+378: In case of fire: Use ... to extinguish. [As modified by IV ATP]

P403+235: Store in a well ventilated place. Keep cool.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Concentration
water	7732-18-5	≤90
D-LIMONENE (fragrance)	5989-27-5	≤0.001
1-OCTYLTRIETHOXYLANE	2943-75-1	≤0.2
Polydimethylsiloxane	63148-62-9	≤3
Hydrotreated kerosene	64742-47-8	≤1
ethanol	64-17-5	≤5

4.FIRST AID MEASURES

In case of eye contact

Immediately flush eyes with plenty of water.
Get medical attention, if irritation persists.

In case of skin contact

Get medical attention, if irritation persists.
Wash with soap and water.

If inhaled

Remove to fresh air.
Get medical attention.

If swallowed

Get medical attention.

5.FIRE-FIGHTING MEASURES

Flammable properties

Flash point : NOT DETERMINED

Autoignition Temperature : NOT DETERMINED

Burning Rate : NOT DETERMINED

Suitable extinguishing media

- Alcohol resistant foam, CO2, Water spray, dry sand

Specific hazards arising from the chemical

- It may cause metal corrosion.
- When fire, it may cause irritative and corrosiveness toxic gas.

Special protective equipment for fire-fighters

- Use proper protective equipments
- Get out of the place, and extinguish the fire with keeping a distance

6.ACCIDENTAL RELEASE MEASURES

Personal precautions

- Eliminate all of the ignition source

Environmental precautions

- Do not allow to be flown into waterway, drain and basement.

Methods and materials for containment and cleaning up

- Absorb liquid and flush contaminated area with detergent and water.

7.HANDLING AND STORAGE

Precautions for safe handling

- Be aware of substances to avoid and conditions.

Conditions for safe storage

- Keep only in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameter

	KOSHA	US ACGIH

Personal protective equipment

Respiratory protection :

Wear respiratory protection suitable for the characteristics of the exposed material.

Hand protection :

Wear respiratory protection suitable for the characteristics of the exposed material.

Eye protection : not available

Wear respiratory protection suitable for the characteristics of the exposed material.

Skin and body protection : not available

Wear respiratory protection suitable for the characteristics of the exposed material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : LIQUID

pH : 6-7

Flash point : NOT DETERMINED

Autoignition temperature : NOT DETERMINED

Water solubility : NOT DETERMINED

Density : N/A

Melting range : N/A

Lower explosion limit : N/A

Upper explosion limit : N/A

10. STABILITY AND REACTIVITY

Chemical stability

- It may cause metal corrosion.
- When fire, it may cause irritative and corrosiveness toxic gas.

Conditions to avoid:

- Heat, spark, ignition sources

Materials to avoid :

- Combustible material

Hazardous decomposition products :

- When fire, it may cause irritative and corrosiveness toxic gas.

11. TOXICOLOGICAL INFORMATION

	Acute toxicity		Skin corrosion/irritation
	oral toxicity	dermal toxicity	
D-LIMONENE	LD50 5000 mg/kg Rat	LD50 > 5000 mg/kg Rabbit	Burning, itching, pain, and purpura observed (2hours test)
Ethyl alcohol	LD50 7060 mg/kg Rat (OECD Guideline 401)		

	Serious eye damage / eye irritation	Respiratory or skin sensitization
D-LIMONENE		skin sensitization (guinea pig)
Ethyl alcohol	As a result of the test, conjunctivitis, conjunctival edema, iris damage, and corneal damage were occurred (rabbit)	

	Germ cell mutagenicity	Carcinogenicity	Reproductive toxicity
D-LIMONENE			
Ethyl alcohol			

	Specific target organ toxicity		Aspiration hazard
	single exposure	repeated exposure	

D-LIMONENE			
Ethyl alcohol	may affect on central nervous system		

12. ECOLOGICAL INFORMATION

	Toxicity		
	Fish	Crustacean	Birds
D-LIMONENE	LC50 0.7 mg/ℓ 96 hr <i>Pimephales promelas</i>	EC50 0.307 mg/ℓ 48 hr	EC50 0.214 mg/ℓ
Ethyl alcohol	LC50 > 100 mg/ℓ 96 hr <i>Pimephales promelas</i>	LC50 5012 mg/ℓ 48 hr <i>Ceriodaphnia dubia</i> (other guideline: ASTM E729-80)	ErC50 275 mg/ℓ 72 hr <i>Chlorella vulgaris</i> (OECD Guideline 201)

	Persistence and degradability	Bioaccumulative potential		Mobility in soil
		Bio accumulation	Bio degradable	
D-LIMONENE	log Kow 4.38	BCF 1118.1	80 (%) 28 day	
Ethyl alcohol	log Kow -0.32	BCF 1	71 %	

13. DISPOSAL CONSIDERATIONS

Disposal consideration

Refer to local regulations

Disposal precaution

Refer to local regulations

14. TRANSPORT INFORMATION

UN TDG : N/A

IMDG : N/A

IATA : N/A

15. REGULATORY INFORMATION

Korea Industrial Safety and Health Act : N/A

Korea Hazardous Materials Safety Control Act : N/A

Korea Toxic Chemicals Control Act : N/A

16. OTHER INFORMATION

Issued Date : 2023.07.20

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Reference

- GHS Classification : **KOSHA**
- Physical and chemical properties : **KOSHA**
- Transport information : **KOSHA**
- Toxic information : **KOSHA**
- Ecological information : **KOSHA**