

1. Chemical Product and Company Identification

a. Product name	SLIP-TAC
b. Product use	Automotive Film Installation
c. Company Identification	
Manufacturer	STEK. CO., LTD
Emergency phone number	Tel : 82-02-6235-7835

2. Hazard Identification

a. Classification of the substance or mixture	Acute toxicity (oral) : Category4 Skin corrosion/irritation : Category2 Serious eye damage/irritation : Category2A
b. GHS label elements, including precautionary statements	



Signal words	Warning
Hazard statements	Harmful if swallowed Causes skin irritation Causes serious eye irritation
Precautionary statements	
Prevention	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water.
Storage	Not applicable
Disposal	P501 Dispose of contents/container in accordance with local/regional/national/international regulation
c. Other hazards which do not result in classification : (NFPA Classification)	
Health	1
Flammability	1
Reactivity	0

3. Composition/information on ingredients

Component name	CAS Number	%(w/w)
Cocoamidopropyl Betain	61789-40-0	<1 %
Sodium chloride	7647-14-5	<1 %
Sodium Laureth Sulfate	9004-82-4	<1 %
Sodium Benzoate	532-32-1	<1 %
Caprylyl glycol	1117-86-8	<1 %
Glycerine	56-81-5	<1 %
Citric Acid	77-92-9	<1 %
Purified Water	7732-18-5	90 %

4. First-aid measures

- a. Eye contact
Do not rub your eyes.
Immediately flush eyes with plenty of water for at least 15 minutes and call a doctor/physician.
Get medical attention immediately.
Remove contact lenses if worn.
- b. Skin contact
Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Laundering enough contaminated clothing before reuse.
Get medical attention immediately.
Go to the hospital immediately if symptoms (flare, irritate) occur.
Wash thoroughly after handling.
- c. Inhalation contact
When exposed to large amounts of steam and mist, move to fresh air.
Take specific treatment if needed.
Get medical attention immediately.
- d. Ingestion contact
About whether I should induce vomiting. Take the advice of a doctor.
Rinse your mouth with water immediately.
Get medical attention immediately.
- e. Delayed and immediate effects and also chronic effects from short and long term exposure
Not available
- f. Notes to physician
Notify medical personnel of contaminated situations and have them take appropriate protective measures.

5. Fire-fighting measures

a. Suitable (Unsuitable) extinguishing media

Dry chemical, carbon dioxide, regular foam extinguishing agent, spray

Avoid use of water jet for extinguishing

Not available

b. Specific hazards arising from the chemical

Cool containers with water until well after fire is out.

Avoid inhalation of materials or combustion by-products.

Use appropriate extinguishing measure suitable for surrounding fire.

Wear appropriate protective equipment.

Keep containers cool with water spray.

c. Special protective actions for firefighters

6. Accidental release measures

a. Personal precautions, protective equipment and emergency procedures

Ventilate closed spaces before entering.

Must work against the wind, let the upwind people to evacuate.

Move container to safe area from the leak area.

Remove all sources of ignition.

Avoid skin contact and inhalation

Prevent runoff and contact with waterways, drains or sewers.

If large amounts have been spilled, inform the relevant authorities.

b. Environmental precautions

c. Methods and materials for containment and cleaning up

Large spill : Stay upwind and keep out of low areas. Dike for later disposal.

Notification to central government, local government. When emissions at least of the standard amount.

Dispose of waste in accordance with local regulation.

Appropriate container for disposal of spilled material collected

7. Handling and storage

a. Precautions for safe handling

Normal precautions should be observed as for handling all chemicals.

b. Conditions for safe storage

Store in the original closed containers under dry conditions.

Keep away from incompatibles such as oxidizing agents, acids

Avoid all possible sources of ignition (halogen, Spark, flame)

8. Exposure controls/personal protection

a. Exposure limits	
ACGIH TLV	Not available
OSHA PEL	Not available
b. Engineering controls	A system of local and/or general exhaust is recommended to keep employee exposures above the Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. The use of local exhaust ventilation is recommended to control emissions near the source.
c. Individual protection measures, such as personal protective equipment	
Respiratory protection	Under conditions of frequent use or heavy exposure, Respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.
Eye protection	Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield. Provide an emergency eye wash station and quick drench shower in the immediate work area.
Hand protection	Wear appropriate chemical resistant glove.
Skin protection	Wear appropriate chemical resistant protective clothing.
Others	Not available

9. Physical and chemical properties

a. Appearance	
Appearance	Liquid
Color	Light blue
b. Odor	Special odor
c. Odor threshold	Not available
d. pH	7.0 ~9.0(5% aq. sol'n)
e. Melting point/freezing point	0°C
f. Initial boiling and boiling range	100°C
g. Flash point	Not available
h. Evaporation rate	Not available
i. Flammability(solid, gas)	Not available
j. Upper/lower flammability	Not available

k. Vapor pressure	Not available
l. Solubility	Soluble
m. Vapor density	Not available
n. Specific gravity(Relative density)	Not available
o. Partition coefficient: n-octanol/water	Not available
p. Auto-ignition temperature	Not available
q. Decomposition temperature	Not available
r. Viscosity	Not available
s. Molecular weight	387

10. Stability and Reactivity

a. Chemical stability & Possibility of hazardous reactions	Hydrolyses at elevated temperatures. Stable at normal condition.
b. Condition to avoid	Avoid heat(Temperatures above 40°C), flame, pH<5.5 may occur decomposition.
c. Incompatible materials	Metal oxidizing agents, strong acids, peroxides
d. Hazardous decomposition products	Carbon oxide, Sulfur oxide

11. Toxicological information

a. Information on the likely routes of exposure	
Respiratory tracts	Not available
Oral	Harmful if swallowed
Eye·Skin	Causes serious eye irritation Causes skin irritation
b. Delayed and immediate effects and also chronic effects from short and long term exposure	
Acute toxicity	
Oral	Not available
Dermal	Not available
Inhalation	Not available
Skin corrosion/irritation	Causes skin irritation
Serious eye damage/irritation	Causes serious eye irritation
Respiratory sensitization	Not available
Skin sensitization	Not available
Carcinogenicity	
IARC	Not available
OSHA	Not available
ACGIH	Not available
NTP	Not available
EU CLP	Not available

Germ cell mutagenicity	Not available
Reproductive toxicity	Not available
Specific target organ toxicity (single exposure)	Not available
Specific target organ toxicity (repeated exposure)	Not available
Aspiration hazard	Not available

12. Ecological information

a. Eco toxicity	
Fish	10 < LC/EC/IC50 <= 100 mg/l
Daphnia	1 < LC/EC/IC50 <= 10 mg/l
Algae	1 < LC/EC/IC50 <= 10 mg/l
b. Persistence and degradability	
Persistence	log Kow 1.62 (Estimate)
Degradability	Readily biodegradable.
c. Bio accumulative potential	
Bio accumulative potential	BCF 70.79 (Estimate)
Biodegration	Not available
d. Mobility in soil	Not available
e. Other adverse effects	Not available

13. Disposal consideration

a. Disposal methods	<p>Since more than two kinds of designaed waste is mixed, it is difficult to treat seperatly, then can be reduction or stabilization by incineration or similar process.</p> <p>If water separation is possible, pre-process with Water separation process.</p> <p>Dispose by incineration.</p>
b. Special precautions for disposal	<p>The user of this product must disposal by oneself or entrust to waste disposer or person who other's waste recycle and dispose, person who establish and operate waste disposal facilities.</p> <p>Dispose of waste in accordance with all applicable laws and regulations.</p>

14. Transport information

a. UN number	Not applicable
b. UN proper shipping name	Not applicable
c. Transport hazard classes	Not applicable
d. Packing group	Not applicable
e. Environmental hazards	Not applicable
f. Special precautions for a user	
Extraordinary step in fire	Not available
Extraordinary step in spill	Not available