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MSDS

Sample Name
& Model

FLUX GEL AT-H20

Applicant

SHENZHEN ATTEN TECHNOLOGY CO.,LTD

Address

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Material Safety Data Sheet

Reference to ST/SG/AC.10/30/Rev.11 (GHS)

Section 1 - Chemical Product and Company Identification

Chemical Product Identification

Sample Name: FLUX GEL

Sample Model: AT-H20

Recommended Uses: N/A

Restrictions on Use: N/A

Supplier Name: SHENZHEN ATTEN TECHNOLOGY CO.,LTD

Address: 7-8/F, Building B, Konka Guangming Technology Center, No.288 Xingxin Road,
Guangming Street, Guangming District, Shenzhen

Phone Number: 15889604767

FAX: /

E-mail: 1020604029@qq.com

Emergency Phone Number: 0755-86021389

Section 2 - Hazards Identification

Emergency overview: Pale yellow paste. Non-flammable, insoluble in water.

Classification according to GHS

Sensitisation, skin (1)

Serious eye damage/eye irritation (2)

Specific target organ toxicity, single exposure; Narcotic effects (3)

Label elements

Hazard pictogram(s):



Signal word:

Warning

Hazard statement(s):

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness (narcotic effects)

Precautionary statement(s):

Prevention:

P261 Avoid breathing dust, fume, gas, mist, vapours and spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves, protective clothing, eye protection, face protection.

P264+P265 Wash hands [and ...] thoroughly after handling. Do not touch eyes.

P271 Use only outdoors or in a well-ventilated area.

Response:

P302 + P352 IF ON SKIN: Wash with plenty water.

P333 + P317 If skin irritation or rash occurs: Get medical help.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P321 Specific treatment (See additional emergency instructions).

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 + P317 If eye irritation persists: Get medical help.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P319 Get medical help if you feel unwell.

Storage

P405 Store locked up.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501 Send contents to approved waste treatment plants.

Other hazards

Physical and chemical hazards: See Section 10

Human health hazards: See Section 11

Environmental hazards: See Section 12

Section 3 – Composition/Information on Ingredients

Chemical characterization: Mixture

Chemical Composition	CAS No.	EC#	Weight (%)
Propan-2-ol	67-63-0	200-661-7	80.0-92.5
Zinc, benzenesulfinate	24308-84-7	246-148-1	1.2-1.6
Sodium,2-[2-[4-(2,4,4-trimethyl pentan-2-yl)phenoxy]ethoxy]et Hanesulfonate	3013-94-3	221-147-9	0.5-1.5
[3-(3-dodecylsulfanylpropanoyl [4-oxy)-2,2-bis(3-dodecylsulfanyl [5-propanoyloxymethyl)propyl] [6-3-dodecylsulfanylpropanoate	29598-76-3	249-720-9	0.2-0.5

1,1',1",1'''-(1,2-Ethanediyldinitri lo)tetra(2-pentanol)	86443-82-5	617-862-4	0.1-0.2
Rosin	8050-09-7	232-475-7	2.0-6.0
Nickel dibutyl dithiocarbamate	13927-77-0	237-696-2	1.5-3.5

Section 4 - First Aid Measures

Description of first aid measures

General information Normal use does not require special measures , industrial production in the long term , refer to the following:

After eye contact

Flush eyes with water.

After skin contact

Wash with water and soap.

After inhalation

Remove victim to fresh area.

After swallowing

Do not induce vomiting. Get medical attention.

Personal protective equipment for first-aid responders: No data available.

Most important symptoms/effects, acute and delayed: No data available.

Indication of immediate medical attention and special treatment needed: No data available.

Section 5 - Fire Fighting Measures

Suitable extinguishing media:

Use extinguishing agent suitable for local conditions and the surrounding environment. Such as dry powder, CO₂.

Unsuitable extinguishing media: No data available.

Specific Hazards arising from the chemical: No data available.

Specific protective actions for fire-fighters:

Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

Section 6 - Accidental Release Measures

Normal use does not require special measures, industrial production in the long term, refer to the following:

Personal precautions:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

Protective equipment:

No data available.

Emergency procedures:

Remove ignition sources, evacuate area. Sweep up using a method that does not generate dust.

Collect as much of the spilled material as possible, placed the spilled material into a suitable disposal container. Keep spilled material out of sewers, ditches and bodies of water.

Environmental precautions:

Do not allow material to be released to the environment without proper governmental permits.

Methods and materials for containment and cleaning up:

For all waste handling must refer to United Nations, National and Local Regulations for disposal.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7 - Handling and Storage

Normal use does not require special measures, industrial production in the long term, refer to the following:

Precautions for safe handling:

Storage in a cold, dry, well ventilated environment. Store away from food and water supplies. Wash your hands thoroughly before eating and drinking. Storage of chemicals needed to prevent the generation and accumulation of static electricity when handling the container.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the long time of sunlight. Keep container tightly sealed.

Section 8 - Exposure Controls/Personal Protection

Control parameters

CAS No.	ACGIH	NIOSH	OSHA
67-63-0	TLV-TWA 200 ppm	REL-TWA 400 ppm	PEL-TWA 400 ppm (980 mg/m ³)
24308-84-7	N/A	N/A	N/A
3013-94-3	N/A	N/A	N/A
29598-76-3	N/A	N/A	N/A
86443-82-5	N/A	N/A	N/A
8050-09-7	N/A	N/A	N/A

13927-77-0	N/A	N/A	N/A
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Engineering control:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Personal Protective Equipment

Respiratory protection: Wear suitable protective mask in order to reduce the respiratory system. A large number of leakages, wear chemical protective clothing, including self-contained breathing apparatus.

Hand Protection: Wear appropriate protective gloves to reduce skin contact.

Eyes Protection: Wear safety goggles or eye protection combined with respiratory protection.

Skin and Body Protection: Working environment required, wear suitable protective clothing to minimize contact with skin. The type of protective equipment must be according to the concentration and the content of certain hazardous substances in the workplace.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Colour:	Pale yellow.
Physical State:	Paste.
Odour:	Not available.
pH:	Not available.
Melting point/freezing point:	Not available.
Boiling point or initial boiling point and boiling range:	Not available.
Flash Point:	Not available.
Flammability:	Non-flammable.
Solubility:	Insoluble in water.
Lower and upper explosion limit/flammability limit:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Kinematic viscosity:	Not available.
Partition coefficient: n-octanol/water (log value):	Not available.
Vapour pressure:	Not available.
Density and/or relative density:	Not available.
Relative vapour density:	Not available.

Particle characteristics:

Not available.

Section 10 - Stability and Reactivity

Chemical Stability: Stable.

Possibility of hazardous reaction: No data available.

Conditions to Avoid: Incompatible materials.

Incompatible materials: No data available.

Hazardous Decomposition Products: Carbon oxide.

Section 11 - Toxicological Information

Acute Toxicity:

CAS No.	LC50/LD50
67-63-0	No data available.
24308-84-7	No data available.
3013-94-3	No data available.
29598-76-3	No data available.
86443-82-5	No data available.
8050-09-7	LD50 Rat (oral): 7600mg/kg; LD50 Rabbit (dermal): >2500mg/kg
13927-77-0	LD50 Rat (oral): >5000 mg/kg

Skin corrosion/irritation: No data available.

Serious eye damage/irritation: No data available.

Respiratory or Skin sensitization: No data available.

Germ Cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity-Single exposure: No data available.

Specific target organ toxicity-Repeated exposure: No data available.

Aspiration hazard: No data available.

Information on the likely routes of exposure: No data available.

Eye: No data available.

Skin: No data available.

Ingestion: No data available.

Inhalation: No data available.

Section 12 - Ecological Information

CAS# 67-63-0

Ecological Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative Potential: Bioconcentration in aquatic organisms is low. (BCF:3, K_{ow} :0.05)

Mobility in Soil: Expected to have very high mobility in soil. (K_{oc} :1.5)

Other adverse effects: No data available.

Section 13 - Disposal Considerations

Disposal methods

Recommendation: Consult state, local or national regulations to ensure proper disposal.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Section 14 - Transport Information

UN or ID Number	
IATA, IMDG, Model Regulation	N/A
Proper Shipping Name/Description	
IATA, IMDG, Model Regulation	N/A
Class or Div. (Sub Hazard)	
IATA, IMDG, Model Regulation	Not Subjected for transport of dangerous goods
Packing Group	
IATA, IMDG, Model Regulation	N/A
Hazard Label	
IATA, IMDG, Model Regulation	N/A
Environmental hazards	
Marine pollutant:	No
IMDG EmS:	---
Special precautions for user	No information available.

Transport Fashion: By air, by sea, by railway, by road.

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

CAS No.	TSCA	IECSC	DSL/NDSL	EINECS/ ELINCS/ NLP
67-63-0	Listed	Listed	Listed DSL	Listed
24308-84-7	Listed	Listed	Listed DSL	Listed
3013-94-3	Listed	Listed	Listed DSL	Listed
29598-76-3	Listed	Listed	Listed DSL	Listed
86443-82-5	Listed	Listed	Listed DSL	Listed
8050-09-7	Listed	Listed	Listed DSL	Listed
13927-77-0	Listed	Listed	Listed DSL	Listed

Section 16 - Other Information

Issue Date: 2026-01-08

Issue Department: Technical department

Modification record:

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

CAS: (Chemical Abstracts Service);

EC: (European Commission);

ACGIH: (American Conference of Governmental Industrial Hygienists);

NIOSH: (US National Institute for Occupational Safety and Health);

OSHA: (US Occupational Safety and Health);

TLV: (Threshold Limit Value)

TWA: (Time Weighted Average);

STEL: (Short Term Exposure Limit);

PEL: (Permissible Exposure Level);

REL: (Recommended Exposure Limit);

PC-STEL: (Permissible concentration-short time exposure limit);

PC-TWA: (Permissible concentration-time weighted average);

IARC: (International Agency for Research on Cancer);

LC50: (Lethal concentration, 50 percent kill);

LD50: (Lethal dose, 50 percent kill);
EC50: (Median effective concentration);
BCF: (Bioconcentration Factor);
BOD: (Biochemical oxygen demand);
IECSC: (Inventory of Existing Chemical Substances in China);
NOEC: (No observed effect concentration);
NTP: (US National Toxicology Program);
RTECS: (Registry of Toxic Effects of Chemical Substances);
TOC: (Total Organic Carbon);
TSCA: (Toxic Substances Control Act of USA);
DSL: (the Domestic Substances List of Canada);
NDSL: (the Non-domestic Substances List of Canada);
IATA: (International Air Transport Association);
IMDG: (International Maritime Dangerous Goods);
TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations)

Approver: *Zhang Chunmei*.

End of report

GR0716