Genemed Mini & Super PAP Pen

Safety Data Sheet

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)
Issue date: 01/02/2025
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SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Product name	:	Genemed Mini & Super PAP Pen
Product code	:	10-0041 & 10-0045

1.2. Recommended use and restrictions on use

Research use only

1.3. Supplier

Sakura Finetek USA Inc.
1750 West 214th St.
Torrance, CA 90501
T 1-310-972-7800

1.4. Emergency telephone number

CHEMTREC 1-800-424-9300
Email: SDSsupport@sakuraus.com

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Acute toxicity, inhalation (chapter 3.1), Cat. 5
- Carcinogenicity (C.4.9), Cat. 1B
- Germ cell mutagenicity (C.4.8), Cat. 1B
- Skin corrosion/irritation (C.4.4), Cat. 2
- Specific target organ toxicity (repeated exposure) (C.4.12), Cat. 2
- Specific target organ toxicity (single exposure) (C.4.11), Cat. 3
- Toxic to reproduction (C.4.10), Cat. 2

2.2. GHS Label elements, including precautionary statements

GHS US labeling	
Signal word	Danger
Hazard statement(s)	H315 Causes skin irritation H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H340 May cause genetic defects H350 May cause cancer H361 Suspected of damaging fertility or the unborn child H373 May cause damage to organs through prolonged or repeated exposure
Precautionary statement(s)	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust/fume/gas/mist/vapors/spray.

	P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+P313 IF exposed or concerned: Get medical advice/attention. P314 Get medical advice/attention if you feel unwell. P332+P313 If skin irritation occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container to a licensed disposal company.

2.3. Other hazards which do not result in classification

None known

2.4. Unknown acute toxicity (GHS US)

None

SECTION 3: Composition/Information on ingredients

3.1. Substances

Mixtures

3.2. Mixtures

Name	CAS Number	%
Toluene	108-88-3	< 35 % (volume)
Solvent naphtha (petroleum), light arom	90989-39-2	< 30 % (volume)
Resin	N/A	< 35 % (volume)

The specific chemical\ component identities and/or the exact component percentages of this material may be withheld as trade secrets.
This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (I)(1). Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, mutagen, and reproductive toxicant, respiratory tract and skin sensitizers in addition to oral/ inhalation acute toxicant in category 1 and 2). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents.

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

First-aid measures after skin contact : Rinse with plenty of water. Get medical attention if irritation develops and persists.

First-aid measures after eye contact : Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

First-aid measures after ingestion : Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.2. Most important symptoms and effects (acute and delayed)

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

4.3. Immediate medical attention and special treatment, if necessary

No data available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : No data available.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

6.1.1. For non-emergency personnel

Emergency procedures : Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

6.2. Environmental precautions

Should not be released into the environment. See Section 12 for additional ecological information.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

Hygiene measures : For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Toluene CAS: 108-88-3
ACGIH: 20 ppm (75 mg/m3) TLV® inhalation; See Annotated Z-2 TLV® inhalation; Cal/OSHA: See Annotated Z-2 PEL inhalation; 500 ppm Ceiling PEL-C inhalation; 150 ppm (560 mg/m3) - SKIN PEL-ST inhalation; 10 ppm (37 mg/m3) TWA inhalation; NIOSH: 100 ppm (375 mg/m3) REL inhalation; See Annotated Z-2 REL inhalation; 150 ppm (560 mg/m3) STEL inhalation; OSHA: See Annotated Z-2 mg/m3 PEL inhalation; 300 ppm PEL-C inhalation; 500 ppm (10 minutes) PEL-Peak inhalation; 200 ppm PEL-TWA inhalation; 150 ppm STEL inhalation

8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Environmental exposure controls : Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection:
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Skin and body protection:
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid, Pen

Color : Not Applicable

Odor : Odorless

Odor threshold	:	No data available.
pH	:	No data available.
Melting point	:	No data available.
Freezing point	:	No data available.
Boiling point	:	No data available.
Flash point	:	No data available.
Relative evaporation rate (butyl acetate=1)	:	No data available.
Flammability	:	No data available.
Vapor pressure	:	No data available.
Relative vapor density at 20°C	:	No data available.
Relative density	:	No data available.
Solubility	:	No data available.
Partition coefficient n-octanol/water (Log Pow)	:	No data available.
Auto-ignition temperature	:	No data available.
Decomposition temperature	:	No data available.
Viscosity, kinematic	:	No data available.
Viscosity, dynamic	:	No data available.
Explosion limits	:	No data available.
Explosive properties	:	No data available.
Oxidizing properties	:	No data available.

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal use conditions.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal use conditions.

10.4. Conditions to avoid

Exposure to moisture.
Avoid storing in direct sunlight and avoid extremes of temperature. Heat, flames and sparks.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Toluene LD50 Oral - Rat - > 5,580 mg/kg
Acute toxicity (dermal)	:	Toluene LD50 Skin - Rabbit - 12,196 mg/kg Toluene Skin - Rabbit - 24 h
Acute toxicity (inhalation)	:	The ATE (gas inhalation) of the mixture is: 30000 ppmV
Skin corrosion/irritation	:	Based on available data, classification data are not met
Serious eye damage/irritation	:	Causes serious eye irritation.
Respiratory or skin sensitization	:	Based on available data, classification data are not met

Germ cell mutagenicity	:	Based on available data, classification data are not met
Carcinogenicity	:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	:	Based on available data, classification data are not met
STOT-single exposure	:	No data available.
STOT-repeated exposure	:	No data available.
Aspiration hazard	:	No data available.
Viscosity, kinematic	:	No data available.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	Toluene EC50 - Pseudokirchneriella subcapitata (green algae) - 10 mg/l - 24 h Toluene LC50 - Oncorhynchus mykiss (rainbow trout) - 7.63 mg/l - 96 h Toluene EC50 - Daphnia magna (water flea) - 6 mg/l - 48 h Toluene EC50 - Chlorella vulgaris (fresh water algae) - 245 mg/l - 24 h Toluene NOEC - Pimephales promelas (fathead minnow) - 5.44 mg/l - 7 d

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	:	Offer surplus and non-recyclable solutions to a licensed disposal company.. Dispose of as unused product. Do not let product enter drains. Dispose of contents/ container in accordance with the local/regional/national/international regulations.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

14.1. UN number

Not dangerous goods

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not dangerous goods
Proper Shipping Name (IMDG) : Not dangerous goods
Proper Shipping Name (IATA) : Not dangerous goods

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not dangerous goods

IMDG
Transport hazard class(es) (IMDG) : Not dangerous goods

IATA
Transport hazard class(es) (IATA) : Not dangerous goods

14.4. Packing group

Packing group (DOT) : Not dangerous goods
Packing group (IMDG) : Not dangerous goods
Packing group (IATA) : Not dangerous goods

14.5. Environmental hazards

Other information : Not dangerous goods

14.6. Special precautions for user

DOT
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

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

Not dangerous goods.

SECTION 15: Regulatory information

15.1. International regulations

Canadian Domestic Substances List (DSL)
Chemical name: Benzene, methyl - CAS: 108-88-3
Chemical name: Naphtha (petroleum), light, C5-rich, sweetened
CAS: 92045-60-8

15.2. US State regulations

Massachusetts Right To Know Components
Chemical name: Toluene
CAS number: 108-88-3
New Jersey Right To Know Components
Chemical name: Toluene
CAS number: 108-88-3
Pennsylvania Right To Know Components
Chemical name: Toluene
CAS number: 108-88-3
California Prop.65 Components
State of California to cause birth defects or other reproductive harm.
Chemical name: Toluene
CAS number: 108-88-3
01/01/1991 - Developmental toxicity
08/07/2009 - Female reproductive toxicity (de-listed 03/07/2014)
01/01/1991 - developmental
08/07/2009 - female

SECTION 16: Other information

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Sakura Finetek USA, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.