

Safety Data Sheet

Section 1 - IDENTIFICATION

Product Identifier: Salonpas® pain relieving Jet Spray

Recommended Use

pain relief

Restrictions on Use

None known.

Manufacturer Information

Hisamitsu Pharmaceutical Co., Inc.
Tashirodaikan-machi 408
Tosu
Saga, Japan

Telephone number: +81-942-81-1555
Emergency #: +81-942-81-1555

Section 2 - HAZARD(S) IDENTIFICATION

Classification in accordance with 29 CFR 1910.1200.

Flammable aerosol, Category 1

Serious Eye Damage/Eye Irritation, Category 2A

Specific Target Organ Toxicity - Single Exposure, Category 3 (central nervous system)

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

DANGER

Hazard Statement(s)

Extremely flammable aerosol

Causes serious eye irritation

May cause drowsiness and dizziness

Precautionary Statement(s)

Prevention

Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves and eye/face protection. Avoid breathing dust, mist, fumes or vapors. Use only outdoors or in a well-ventilated area.

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

Safety Data Sheet

Protect from sunlight. Do not expose to temperatures above 50°C (122°F). Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal

Dispose in accordance with all applicable regulations.

Hazard(s) Not Otherwise Classified

No additional information is available.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Stock solution:

Component	Percent (wt%)
Methyl salicylate	3
Menthol	10
Ethanol	87
Total	100

Propellant: Liquefied petroleum gas

The chemical identity and/or percentage of composition is being withheld as a trade secret.

Section 4 - FIRST-AID MEASURES

Description of Necessary Measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact

Wash with plenty of soap and water. Get medical attention if irritation develops or persists. Take off contaminated clothing and wash before reuse.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

If swallowed, get medical attention.

Most Important Symptoms/Effects

Acute

eye irritation, central nervous system depression

Delayed

No information on significant adverse effects.

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Treat symptomatically and supportively.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

carbon dioxide, regular dry powder, water spray

Unsuitable Extinguishing Media

Do not scatter spilled material with high-pressure water streams.

Safety Data Sheet

Special Hazards Arising from the Chemical

Extremely flammable aerosol. Pressurized container: may burst if heated.

Hazardous Combustion Products

Combustion: oxides of carbon

Fire Fighting Measures

Do not scatter spilled material with extinguishing agent. Remove sources of ignition. If safe to do so, move undamaged containers from the fire area. Cool containers with water spray until well after the fire is out. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up

Avoid heat, flames, sparks and other sources of ignition. Do not touch or walk through spilled material. Stop leak if possible without personal risk. Reduce vapors with water spray. Keep unnecessary people away, isolate hazard area and deny entry. Ventilate closed spaces before entering.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools and equipment. Avoid breathing dust, mist, fumes or vapors. Use only outdoors or in a well-ventilated area. Do not eat, drink, or smoke when using this product. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid release to the environment.

Conditions for Safe Storage, including any Incompatibilities

Store and handle in accordance with all current regulations and standards. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Keep separated from incompatible substances.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Liquefied petroleum gas

ACGIH: 1000 ppm STEL

NIOSH: 800 ppm TWA; 1800 mg/m³ TWA

Mexico 800 ppm TWA LMPE-PPT; 1800 mg/m³ TWA LMPE-PPT

Ethanol

ACGIH: 1000 ppm STEL

OSHA: 1000 ppm TWA; 1900 mg/m³ TWA

NIOSH: 1000 ppm TWA; 1900 mg/m³ TWA

Mexico 1000 ppm TWA LMPE-PPT; 1900 mg/m³ TWA LMPE-PPT

Component Biological Limit Values

There are no biological limit values for the component(s) of this product.

Safety Data Sheet

Appropriate Engineering Controls

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eyes/Face Protection

Wear splash resistant safety goggles or face shield, as appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection

Wear protective clothing to prevent contact.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Respiratory Protection

Consult with a health and safety professional for specific respirators appropriate for your use.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Appearance:	yellow to light yellow aerosol
Color:	yellow to light yellow	Physical Form:	aerosol
Odor:	characteristic odor	Odor Threshold:	Not available
pH:	Not available	Melting Point:	Not available
Boiling Point:	Not available	Flash Point:	Flammable
Decomposition Temperature:	Not available	Evaporation Rate:	Not available
LEL:	Not available	UEL:	Not available
Vapor Pressure:	Not available	Vapor Density (air = 1):	Not available
Density:	Not available	Specific Gravity (water = 1):	Not available
Water Solubility:	Not available	Log KOW:	Not available
Coeff. Water/Oil Dist:	Not available	Auto Ignition Temperature:	Not available
Oxidizing Properties:	Not available	Explosive Properties:	Not available
Flammability (solid, gas):	Extremely flammable aerosol		

Other Property Information

No additional information is available.

Section 10 - STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical Stability

Stable under normal conditions of use.

Possibility of Hazardous Reactions

No information available for the product.

Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Incompatible Materials

oxidizing materials, acids, bases, combustible materials, halocarbons, halogens, metal oxides, metal salts, metals,

Safety Data Sheet

peroxides

Hazardous Decomposition

Combustion: oxides of carbon

* * *Section 11 - TOXICOLOGICAL INFORMATION* * *

Acute Toxicity

Component Analysis - LD50/LC50

The component(s) of this material have been reviewed in various sources and the following selected endpoints are published:

Liquefied petroleum gas

Inhalation LC50 Rat 658 g/m³ 4 h

Ethanol

Oral LD50 Rat 7060 mg/kg; Inhalation LC50 Rat 124.7 mg/L 4 h

Methyl salicylate

Oral LD50 Rat 887 mg/kg; Dermal LD50 Rabbit >5000 mg/kg

Menthol

Oral LD50 Rat 3300 mg/kg

Information on Likely Routes of Exposure

Inhalation

irritation, headache, nausea, vomiting, drowsiness, dizziness, loss of coordination, difficulty breathing, irregular heartbeat, disorientation, mood swings, convulsions, tingling sensation, coma

Ingestion

nausea, vomiting, diarrhea, difficulty breathing, headache, dizziness, drowsiness, disorientation, visual disturbances, lung congestion, kidney damage, reproductive effects, convulsions, coma, liver damage, changes in body temperature, changes in blood pressure, irregular heartbeat, mood swings, difficulty speaking, loss of appetite, weight loss, pain in extremities, tremors, heart damage, brain damage

Skin Contact

irritation, allergic reactions, blisters

Eye Contact

irritation, blurred vision

Immediate Effects

eye irritation, central nervous system depression

Delayed Effects

No information on significant adverse effects.

Medical Conditions Aggravated by Exposure

No information available for the product.

Irritation/Corrosivity Data

eye irritation

Respiratory Sensitization

No data available.

Dermal Sensitization

No data available.

Germ Cell Mutagenicity

Suspected of causing genetic defects

Safety Data Sheet

Carcinogenicity

Component Carcinogenicity

Ethanol

- ACGIH:** A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC: Monograph 100E [2012] (in alcoholic beverages); Monograph 96 [2010] (in alcoholic beverages)
(Group 1 (carcinogenic to humans))
DFG: Category 5 (low carcinogenic potency)
OSHA: Present

Reproductive Toxicity

No information available for the product.

Specific Target Organ Toxicity - Single Exposure

central nervous system

Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

Aspiration Hazard

No information available for the product.

* * *Section 12 - ECOLOGICAL INFORMATION* * *

Ecotoxicity

Harmful to aquatic life.

Component Analysis - Aquatic Toxicity

Ethanol

- Fish:** 96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]
Invertebrate: 48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]

Menthol

- Fish:** 96 Hr LC50 Pimephales promelas: 18.9 mg/L [flow-through]

Persistence and Degradability

No information available for the product.

Bioaccumulation

No information available for the product.

Mobility

No information available for the product.

Other Toxicity

No additional information is available.

* * *Section 13 - DISPOSAL CONSIDERATIONS* * *

Disposal Methods

Dispose in accordance with all applicable regulations.

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

Disposal of Contaminated Packaging

Safety Data Sheet

Pressurized container: Do not pierce or burn, even after use.

Section 14 - TRANSPORT INFORMATION

US DOT Information

Shipping Name: Aerosols, flammable, n.o.s. (Contains: Liquefied petroleum gas)

UN/NA #: UN1950 **Hazard Class:** 2.1

Required Label(s): 2.1

TDG Information

Shipping Name: Aerosols (Contains: Liquefied petroleum gas)

UN #: UN1950 **Hazard Class:** 2.1

Required Label(s): 2.1

Marine Pollutant

Methyl salicylate

IBC Code: Category Y

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA 311/312

Acute Health: Yes **Chronic Health:** No **Fire:** Yes **Pressure:** Yes **Reactive:** No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CA	MA	MN	NJ	PA
Liquefied petroleum gas	Yes	Yes	Yes	Yes	Yes
Ethanol	Yes	Yes	Yes	Yes	Yes
Methyl salicylate	No	No	No	No	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Canada

Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which fall under WHMIS criteria specified in the Controlled Products Regulations and present above the threshold limits listed on the IDL.

Liquefied petroleum gas

1 %

Safety Data Sheet

Ethanol

0.1 %

Methyl salicylate

0.1 %

Chemical Inventory Listings

Component Analysis - Inventory

Component	US	CA	EU	AU	PHIL	JP	KR	CN	NZ
Liquefied petroleum gas	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Ethanol	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Methyl salicylate	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Menthol	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes

** *Section 16 - OTHER INFORMATION* * *

Summary of Changes

New SDS: September 23, 2015

NFPA Ratings: Health: 2 Fire: 4 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Key / Legend

ADR - European Road Transport; CAS - Chemical Abstracts Service; CLP - Classification, Labelling and Packaging; DFG - Deutsche Forschungsgemeinschaft; DNEL - Derived No Effect Level; DSD - Dangerous Substances Directive (67/548/EEC); EC50 - Effective Concentration, 50%; EEC - European Economic Community; EIN (EINECS) - European Inventory of Existing Commercial Chemical Substances; ELN (ELINCS) - European List of Notified Chemical Substances; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC Code - International Bulk Chemical Code; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; Kow - Octanol/water partition coefficient; LC50 - Lethal Concentration, 50%; LD50 - Lethal Dose, 50%; LEL - Lower Explosive Limit; NIOSH - National Institute for Occupational Safety and Health; NTP - National Toxicology Program; PNEC - Predicted No Effect Concentration; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - European Rail Transport; STEL - Short-term Exposure Limit; TWA - Time Weighted Average; UEL - Upper Explosive Limit

Other Information

The information contained in this document express our current knowledge and experience, however cannot imply guarantee of any nature. Considering the variety of factors that can affect their process or application, the information on this sheet does not exempt the processors from the responsibility of executing their own tests and experiments.