

Printing date: March 10, 2015 Revision: March 10, 2015

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

- · 1.1 Product identifier
- · Trade name: Pepper Fog, Flush Mix
- · Article number: 4050
- 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

- · 1.3 Details of the supplier of the Safety Data Sheet
- · Manufacturer/Supplier:

Safariland, LLC

13386 International Parkway

Jacksonville, FL 32218

Customer Care (800) 347-1200

- · Further information obtainable from: Customer Care Department
- · 1.4 Emergency telephone number:

ChemTel Inc.

(800)255-3924, +1 (813)248-0585

#### **SECTION 2: Hazards identification**

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H411.

Classifications listed also are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).



flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xn; Harmful

R20-65: Harmful by inhalation. Harmful: may cause lung damage if swallowed.

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Xi; Irritant

Irritating to respiratory system.

N; Dangerous for the environment

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53:

R10: Flammable.

#### · Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

#### · Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

#### · Additional information:

There are no other hazards not otherwise classified that have been identified.

0 percent of the mixture consists of component(s) of unknown toxicity

#### · 2.2 Label elements

#### · Labelling according to Regulation (EC) No 1272/2008

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H411.

The product is additionally classified and labelled according to the Globally Harmonized System within the United States (GHS).

The product is classified and labelled according to the CLP regulation.

#### · Hazard pictograms



This pictogram only applicable for EU regulations. Not for use in the United States (OSHA GHS).









GHS02 GHS07 GHS08 GHS09

#### · Signal word Danger

#### · Hazard-determining components of labelling:

Solvent naphtha (petroleum), light arom.

#### · Hazard statements

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H411.

H226 Flammable liquid and vapour.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways. H304 H411 Toxic to aquatic life with long lasting effects.

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# Safety Data Sheet according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS

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· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261 Avoid breathing mist/vapours/spray.
P280 Wear protective gloves / eye protection.

P233 Keep container tightly closed.

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse

skin with water/shower.

P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing.

P331 Do NOT induce vomiting.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

· Hazard description:

· WHMIS-symbols:

B3 - Combustible liquid

D2B - Toxic material causing other toxic effects



· NFPA ratings (scale 0 - 4)



Health = 1 Fire = 2

Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 1
 Fire = 2

REACTIVITY Reactivity = 0

HMIS Long Term Health Hazard Substances

None of the ingredients are listed.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · **vPvB:** Not applicable.

# **SECTION 3: Composition/information on ingredients**

- · 3.2 Mixtures
- · **Description**: Mixture of substances listed below with nonhazardous additions.

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• Dangerous components:

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Solvent naphtha (petroleum), light arom.

Xn R20-65; Xi R37; N R51/53

R10-66-67

Flam. Liq. 3, H226
Asp. Tox. 1, H304
Aquatic Chronic 2, H411
STOT SE 3, H335-H336

Additional information:

For the listed ingredients, the identity and exact percentages are being withheld as a trade secret. For the wording of the listed risk phrases refer to section 16.

#### **SECTION 4: First aid measures**

#### · 4.1 Description of first aid measures

#### General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out into the fresh air.

#### · After inhalation:

Supply fresh air; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: Immediately rinse with water.

#### · After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

#### · After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

A person vomiting while laying on their back should be turned onto their side.

#### · 4.2 Most important symptoms and effects, both acute and delayed

Coughing

Breathing difficulty

May cause respiratory irritation.

Gastric or intestinal disorders when ingested.

Slight irritant effect on eyes.

#### · Hazards

Danger of pulmonary oedema.

Danger of impaired breathing.

#### · 4.3 Indication of any immediate medical attention and special treatment needed

If swallowed, gastric irrigation with added, activated carbon.

If swallowed or in case of vomiting, danger of entering the lungs.

Medical supervision for at least 48 hours.

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If necessary oxygen respiration treatment.

## **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- · 5.3 Advice for firefighters
- · Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

· Additional information Eliminate all ignition sources if safe to do so.

#### **SECTION 6: Accidental release measures**

#### · 6.1 Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol.

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTEL AT 1-800-255-3924. Spills of this material should be handled carefully. Do not subject materials to mechanical shock or extreme heat. A spill of this material will normally not require emergency response team capabilities.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

Protect from heat.

#### · 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

#### · 6.3 Methods and material for containment and cleaning up:

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose contaminated material as waste according to item 13.

Do not flush with water or aqueous cleansing agents

Send for recovery or disposal in suitable receptacles.

#### · 6.4 Reference to other sections

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**

#### · 7.1 Precautions for safe handling

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

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Use only in well ventilated areas.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Flammable liquid and vapour.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Provide ventilation for receptacles.

Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Keep container tightly sealed.

Protect from heat and direct sunlight.

· 7.3 Specific end use(s) No further relevant information available.

### **SECTION 8: Exposure controls/personal protection**

- · Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

#### 64742-95-6 Solvent naphtha (petroleum), light arom.

PEL (USA) Long-term value: 50 ppm (Stoddard Solvent) mg/m<sup>3</sup>

TLV (USA) Long-term value: 100ppm (Stoddard Solvent) mg/m³

- · DNELs No further relevant information available.
- PNECs No further relevant information available.
- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Respiratory protection:

Not required under normal conditions of use.

For spills, respiratory protection may be advisable.

Use suitable respiratory protective device when aerosol or mist is formed.

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· Protection of hands:

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Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Safety glasses

- · Body protection: Protection may be required for spills.
- · Limitation and supervision of exposure into the environment

No further relevant information available.

· Risk management measures

See Section 7 for additional information. No further relevant information available.

#### **SECTION 9: Physical and chemical properties**

- · 9.1 Information on basic physical and chemical properties
- · General Information

· Appearance:

Form:
Colour:
Colour:
Codour:
Aromatic
Codour threshold:
Not determined.

PH-value:
Not determined.

· Change in condition

Melting point/Melting range:
Boiling point/Boiling range:

Flash point:

Flammability (solid, gaseous):

Auto/Self-ignition temperature:

Not Determined.

154 °C (309 °F)

43 °C (109 °F)

Not applicable.

Not determined.

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• **Decomposition temperature:** Not determined.

• **Self-igniting:** Product is not self-igniting.

• Danger of explosion: Product is not explosive. However, formation of explosive air/

vapour mixtures are possible.

· Explosion limits:

Lower:
Upper:
Not determined.

Vapour pressure:
Not determined.

Density:
Relative density
Vapour density
Vapour density
Not determined.
Not determined.
Not determined.
Not determined.
Not determined.

· Solubility in / Miscibility with

water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined. Kinematic: Not determined.

· Solvent content:

Organic solvents: >40 %

• 9.2 Other information No further relevant information available.

### **SECTION 10: Stability and reactivity**

- · 10.1 Reactivity
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Used empty containers may contain product gases which form explosive mixtures with air.

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.

Flammable liquid and vapour.

Reacts with oxidising agents.

Toxic fumes may be released if heated above the decomposition point.

· 10.4 Conditions to avoid

Keep ignition sources away - Do not smoke.

Store away from oxidising agents.

- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

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### **SECTION 11: Toxicological information**

- · 11.1 Information on toxicological effects
- · Acute toxicity:
- · LD/LC50 values relevant for classification:

#### 64742-95-6 Solvent naphtha (petroleum), light arom.

Oral LD50 >6800 mg/kg (rat)
Dermal LD50 >3400 mg/kg (rab)
Inhalative LC50/4h >10,2 mg/l (rat)

- · Primary irritant effect:
- · on the skin: No irritant effect.
- · on the eve: Slight irritant effect on eyes.
- · Sensitisation: No sensitising effects known.
- · Subacute to chronic toxicity: May be fatal if swallowed and enters airways.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful Irritant

- · Acute effects (acute toxicity, irritation and corrosivity): Irritating to respiratory system.
- · Repeated dose toxicity: May cause damage to organs through prolonged or repeated exposure.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction): None.

# **SECTION 12: Ecological information**

- · 12.1 Toxicity
- · Aquatic toxicity: Toxic for aquatic organisms
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

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• 12.6 Other adverse effects No further relevant information available.

#### **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

- · Waste disposal key: EPA RCRA Code (USA): D001.
- Uncleaned packaging:
- · **Recommendation:** Disposal must be made according to official regulations.

### **SECTION 14: Transport information**

· 14.1 UN-Number

· DOT Reclassified as combustible under US DOT

regulations. Labeling is only required for single packages ≥ 119 US gal / 450 L to include Combustible

symbol and Proper Shipping Name.

UN1993

· ADR, IMDG, IATA

· 14.2 UN proper shipping name

· DOT

See Above

· ADR 1993 FLAMMABLE LIQUID, N.O.S. (Solvent naphtha

(petroleum), light arom.), ENVIRONMENTALLY

**HAZARDOUS** 

· IMDG FLAMMABLE LIQUID, N.O.S. (Solvent naphtha

(petroleum), light arom.), MARINE POLLUTANT

·IATA FLAMMABLE LIQUID, N.O.S. (Solvent naphtha

(petroleum), light arom.)

- 14.3 Transport hazard class(es)
- · DOT
- · Class

· ADR





· Class

3 (F1) Flammable liquids.

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• Label

· IMDG



· Class 3 Flammable liquids.

· Label

· IATA



· Class 3 Flammable liquids.

· Label

· 14.4 Packing group

· Special marking (ADR):

· **DOT** Not Regulated

· ADR, IMDG, IATA

• 14.5 Environmental hazards: Product contains environmentally hazardous

substances: Solvent naphtha (petroleum), light arom.

· Marine pollutant:

Symbol (fish and tree)
Symbol (fish and tree)
Warning: Flammable liquids.

Danger code (Kemler): 30EMS Number: F-E,S-E

· 14.7 Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

· 14.6 Special precautions for user

· ADR

· Limited quantities (LQ) 5L

• Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

Transport category
 Tunnel restriction code

· IMDG

Limited quantities (LQ)Excepted quantities (EQ)Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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• UN "Model Regulation":

UN1993, FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light arom.),

ENVIRONMENTALLY HAZARDOUS, 3, III

### **SECTION 15: Regulatory information**

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- ·SARA
- · Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

- · Proposition 65 (California):
- · Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

- · Carcinogenic Categories
- EPA (Environmental Protection Agency)

None of the ingredients are listed.

· IARC (International Agency for Research on Cancer)

None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients are listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients are listed.

- · Canada
- · Canadian Domestic Substances List (DSL)

All ingredients are listed.

· Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients are listed.

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· Canadian Ingredient Disclosure list (limit 1%)

None of the ingredients are listed.

· Other regulations, limitations and prohibitive regulations

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients are listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Relevant phrases

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- R10 Flammable.
- R20 Harmful by inhalation.
- R37 Irritating to respiratory system.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

#### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

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· Sources

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