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Dragon Smoke Fluid – Type C (Medium Persistency)

Health & Safety Data – MSDS – Reviewed May 2023

Section 1: Product Identification

1.1 Product identifiers

Product name : Pea Soup Dragon Smoke Fluid Type C (Medium)
Synonyms: A mixture of Dipropylene glycol and DeIonized Water
Product Number : PS103
Brand : Pea Soup
REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
CAS-No. : 25265-71-8

1.2 Relevant identified uses of the substance or mixture and uses advised against Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company:	Pea Soup Ltd Unit 3 Thornwood Ave, Ingleby TS17 0RS United Kingdom
1.4 Emergency telephone number:	+44 (0)1642 769952
Email:	sales@smokemachines.net

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
2.2 Label elements
The product does not need to be labelled in accordance with EC directives or respective national laws.
2.3 Other hazards - none

SECTION 3: Composition/information on ingredients

3.1 Substances
DiPropylene Glycol CAS 25265-7178 > 50%
DiWater CAS 7732-18-5 <50%
No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

4.1 Description of first aid measures
If inhaled- If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact - Wash off with soap and plenty of water.
In case of eye contact- Flush eyes with water as a precaution.
If swallowed- Never give anything by mouth to an unconscious person. Rinse mouth with water.
4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
4.3 Indication of any immediate medical attention and special treatment needed -no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media- Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
5.2 Special hazards arising from the substance or mixture - Carbon oxides
5.3 Advice for firefighters- Wear self contained breathing apparatus for fire fighting if necessary.
5.4 Further information- no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid breathing vapours, mist or gas.
For personal protection see section 8.
6.2 Environmental precautions

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Dragon Smoke Fluid – Type C (Medium Persistency)

Health & Safety Data – MSDS – Reviewed May 2023

Do not let product enter drains.
6.3 Methods and materials for containment and cleaning up
Keep in suitable, closed containers for disposal.
6.4 Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
For precautions see section 2.2.
7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Hygroscopic. Store under inert gas.
7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Components with workplace control parameters
Contains no substances with occupational exposure limit values.
8.2 Exposure controls
Appropriate engineering controls
General industrial hygiene practice.
Personal protective equipment
Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
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.
Body Protection
impervious clothing, 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 not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure
Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
a) Appearance Form: viscous Colour: colourless
b) Odour odourless
c) Odour Threshold no data available
d) pH no data available
e) Melting point/freezing point
Melting point/range: < -20 °C at 101.3 hPa
f) Initial boiling point and boiling range 227 °C at 0.98 hPa
g) Flash point 130 °C - closed cup
h) Evaporation rate no data available
i) Flammability (solid, gas) no data available

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j) Upper/lowerflammability or explosive limits no data available
k) Vapour pressure 0.0 hPa at 25 °C
l) Vapour density 5.37
m) Relative density 1.023 g/mL at 25 °C
n) Water solubility soluble
o) Partition coefficient: noctanol/water log Pow: -0.46 at 21.7 °C
p) Auto-ignition temperature 332 °C at 98.96 - 100.18 hPa
q) Decomposition temperature no data available
r) Viscosity no data available
s) Explosive properties no data available
t) Oxidizing properties no data available

9.2 Other safety information
Surface tension 71.4 mN/m at 1.01 at 22 °C
Relative vapour density 5.37

SECTION 10: Stability and reactivity
10.1 Reactivity- no data available
10.2 Chemical stability -Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions -no data available
10.4 Conditions to avoid -no data available
10.5 Incompatible materials- Strong oxidizing agents
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 CAS 25265-7178
LD50 Oral - rat - male and female - > 5,000 mg/kg
LC50 Inhalation - rat - male and female - 4 h - > 2.34 mg/l
LD50 Dermal - rabbit - > 5,010 mg/kg
Skin corrosion/irritation
Skin - rabbit
Result: No skin irritation
Serious eye damage/eye irritation
Eyes - rabbit
Result: No eye irritation
Respiratory or skin sensitisation
Buehler Test - guinea pig
Did not cause sensitisation on laboratory animals.
Germ cell mutagenicity in vitro assay lymphocyte
Result: negative
Mutagenicity (micronucleus test)
rat - male
Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity
Reproductive toxicity - rat - Oral
Maternal Effects: Other effects. 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
Additional Information
Repeated dose toxicity - rat - male - Oral - No observed adverse effect level - 470 mg/kg

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Dragon Smoke Fluid – Type C (Medium Persistency)

Repeated dose toxicity - rat - female - Oral - No observed adverse effect level - 530 mg/kg
RTECS: UB8765000
prolonged or repeated exposure can cause:, Central nervous system depression, Nausea, Headache,vomiting

SECTION 12: Ecological information

12.1 Toxicity
Toxicity to fish LC50 - Carassius auratus (goldfish) - > 5,000 mg/l - 24 h
Toxicity to daphnia and other aquatic invertebrates
static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h
(OECD Test Guideline 202)
Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 72 h
(OECD Test Guideline 201)
12.2 Persistence and degradability
Biodegradability aerobic - Exposure time 28 d
Result: 84.4 % - Readily biodegradable.
(OECD Test Guideline 301F)
12.3 Bioaccumulative potential
Bioaccumulation Cyprinus carpio (Carp) - 3 mg/l
Bioconcentration factor (BCF): 0.3 - 4.6
(OECD Test Guideline 305C)
12.4 Mobility in soil- no data available
12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
12.6 Other adverse effects - no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number
ADR/RID: - IMDG: - IATA: -
14.2 UN proper shipping name
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods
14.3 Transport hazard class(es)
ADR/RID: - IMDG: - IATA: -
14.4 Packaging group
ADR/RID: - IMDG: - IATA: -
14.5 Environmental hazards
ADR/RID: no IMDG Marine pollutant: no IATA: no
14.6 Special precautions for user - no data available

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available
15.2 Chemical Safety Assessment
For this product a chemical safety assessment was not carried out

SECTION 16 – OTHER INFORMATION

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