
SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: SMIDGE
Product code: P00548V03/02

Company/undertaking identification:

Registered company name: APS Biocontrol Ltd.
Address: Prospect Business Centre
Gemini Crescent
Dundee Technology Park
DD2 1TY Dundee
UNITED KINGDOM
Tel.: +44 (0)1382 561 696
Fax: +44 (0)870 458 3844

Emergency telephone: +44 (0)844 892 0111

Association/Organisation: National Poisons Information Service

Use of the substance/preparation:

BIOCIDE

2 - HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Eye irritation, Category 2 (Eye Irrit. 2, H319).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Biocidal mixture (see section 15).

Mixture for spray application.

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms:



GHS07

Signal Word: WARNING

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements - General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements - Prevention:

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

Precautionary statements - Response:

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statements - Disposal:

P501 Dispose of contents/container in accordance with national regulations.

Other information: Keep away from food, drink and animal feedingstuffs.

2.3. Other hazards

In the event of dust formed by mechanical action (sanding, sawing, etc..), this dust may cause irritation by inhalation and contact with eyes.

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European CHemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Composition:

Identification	(EC) 1272/2008	67/548/EEC	Note	%
INDEX: 56815 CAS: 56-81-5 EC: 200-289-5 GLYCERINE			[1]	2.5 \leq x % < 10
INDEX: 603_002_005A CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43 ETHANOL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319	F F; R11	[1]	2.5 \leq x % < 10

Information on ingredients:

[1] Substance for which maximum workplace exposure limits are available.

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation:

If inhaled, move the patient to fresh air and keep warm and at rest

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin:

For feeling of irritation, rinse abundantly with water. And to consult a dermatologist if the feeling persists.

In the event of swallowing:

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

In the event of ingestion, to consult a doctor or to contact a processing center of the intoxications.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

5 - FIRE-FIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

No data available.

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)

- carbon dioxide (CO₂)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

Use some absorbent.

The elimination must be carried out by a registered salvage professional.

6.4. Reference to other sections

No data available.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Do not eat or drink during the use.

Avoid inhalation of the steams.

Do not mix with another chemical product.

Consult the note before use.

Follow hygiene and security biocidal rules.

Fire prevention:

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture.

Follow the hygiene and security rules.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

N/A

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

France (INRS - ED984: 2008):

CAS	VME-ppm:	VME-mg/m ³ :	VLE-ppm:	VLE-mg/m ³ :	Notes:	TMP N°:
56-81-5	-	10	-	-	-	-
64-17-5	1000	1900	5000	9500	-	84

UK/WEL (Workplace exposure limits, EH40/2005, 2007):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
56-81-5	10 mg/m ³	-	-	-	-
64-17-5	1000 ppm	-	-	-	-

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes.

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

When spraying, wear a face shield in accordance with standard EN166.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended:

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties:

- Impervious gloves in accordance with standard EN374

a important use of the product can create cutaneous reactions for reactive people

- Body protection

If case of cutaneous intolerances, to consult a dermatologist

- Respiratory protection

Avoid breathing dust.

Wear a disposable half-mask dust filter in accordance with standard EN149.

Do not use in closed and not ventilated space.

Avoid inhalation.

9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state: fluid liquid

Important health, safety and environmental information:

pH of the substance or preparation: neutral

When a pH measure is possible, it has a value of: not stated

Boiling point/boiling range: 100 °C

Flash point interval: 60°C < Flash point <= 93°C

Vapour pressure: Below 110 kPa (1.10 bar)

Density: = 1

Water solubility: Soluble

melting point/melting range: not specified

Self-ignition temperature: not specified

Decomposition point/decomposition range: not specified

9.2. Other information

No data available.

10 - STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid:

- formation of dusts

- frost

10.5. Incompatible materials

STRONGS OXYDISING AGENTS

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

11 - TOXICOLOGICAL INFORMATION

In the event of ingestion, to consult a doctor or to contact a processing center of the intoxications

11.1. Information on toxicological effects

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

In the event of dust formed by mechanical action (sanding, sawing, etc..), this dust may cause irritation by inhalation and contact with eyes.

11.1.1. Substances

Serious damage to eyes/eye irritation:

ETHANOL (CAS: 64-17-5)

Causes serious eye irritation.

Corneal haze: 1 <= Average score < 2 and effects totally reversible within 21 days of observation

Conjunctival redness: 2 <= Average score < 2.5 and effects totally reversible within 21 days of observation

11.1.2. Mixture

Serious damage to eyes/eye irritation :

Corneal haze: 1 <= Average score < 2 and effects totally reversible during 7 days of observation

Species: Rabbit

REACH Method B.5 (Acute Toxicity: Eye Irritation / Corrosion)

Iritis: Average score < 1

Species: Rabbit

REACH Method B.5 (Acute Toxicity: Eye Irritation / Corrosion)

Conjunctival redness: Average score >= 2 and effects totally reversible within 7 days of observation

Species: Rabbit

REACH Method B.5 (Acute Toxicity: Eye Irritation / Corrosion)

12 - ECOLOGICAL INFORMATION

Do not reject in natural environment.

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

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. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

13 - DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

CONSIGN TO AN APPROVED COLLECTOR. CONSULT THE PREFECTORAL ORDERS IN FORCE.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

15 - REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.

- Container information:

No data available.

- Particular provisions :

No data available.

- Labelling for biocidal products (Regulation 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

Name	CAS	%	PT
SEC-BUTYL 2-(2-HYDROXYETHYL)PIPERIDINE-1-CARBOXYLATE	119515-38-7	200.00 g/kg	19

Product-Type 19: Repellents and attractants

15.2. Chemical safety assessment

No data available.

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Safety phrase:

- | | |
|--------|--|
| S2 | Keep out of the reach of children. |
| S46 | If swallowed, seek medical advice immediately and show this container or label.
Do not use for any purpose other than the one for which it is intended. |
| S29 | Do not empty into drains. |
| S13 | Keep away from food, drink and animal feedingstuffs. |
| S20/21 | When using do not eat, drink or smoke. |

Title for H, EUH and R indications mentioned in section 3:

- | | |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| R11 | Highly flammable. |

Abbreviations:

- | | |
|--------|--|
| ADR: | European agreement concerning the international carriage of dangerous goods by Road. |
| IMDG: | International Maritime Dangerous Goods. |
| IATA: | International Air Transport Association. |
| ICAO: | International Civil Aviation Organisation |
| RID: | Regulations concerning the International carriage of Dangerous goods by rail. |
| WGK: | Wassergefährdungsklasse (Water Hazard Class). |
| GHS07: | Exclamation mark |