

Safety data sheet

According (EU) 2020/878, Annex B amending Regulation (EC) No 1907/2006

Revision date: 08.07.2022

v. 1

Date of issue: 13.03.2009

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

1.1 Product identifier

Trade name: **Penetrant HM-3A spraycan**

1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

Application of the substance / the mixture Penetrant

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Supplier:

BabbCo SA	SherwinBabbCo
15, rue des Frères Lumière	
Z.I. des EBISOIRES	
78370 PLAISIR (France)	
Tel: +33 (0)1.30.80.81.82	Tel: +33 (0)1.30.80.81.98
Fax: +33 (0)1.30.80.81.99	
e-mail: babb-co@orange.fr	e-mail: SherwinBabbco@orange.fr
http: //www.babbco.fr	

Manufacturer: BabbCo SA (Plaisir – France) - Tel : +33 (0)1 30 80 81 82

Further information obtainable from: Product safety department

1.4 Emergency telephone number:

Tel: +33 (0)1.40.05.48.48 (Centre anti-poison de Paris)

Tel: +33 (0)1.30.80.81.98

Additional information:

Attention Medical Authorities,

In accordance with law, to the best of its knowledge, and in good faith, SherwinBabb Co herewith indicates known, or possible, risks arising from the use of the product described below.

There may be similar products on the market for which the suppliers have not indicated certain risks.

Suppliers are responsible for completing SDS forms in a manner that:

- does not give a product's user a false sense of security concerning the product's risks, or which,
- misrepresents the product in a manner that could be construed as unfair competition, or which,
- could lead to legal proceedings against the supplier.

Please contact us to answer any questions, or for additional information, concerning this document, or the product(s) described.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Eye Dam. 1 H318 Causes serious eye damage.

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

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms



GHS02

GHS05

Signal word Danger

Hazard-determining components of labelling:

Secondary alcohol ethoxylates (3)

Blend of highly refined mineral oil

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H318 Causes serious eye damage.

(Contd. on page 2)

GB

Safety data sheet

According (EU) 2020/878, Annex B amending Regulation (EC) No 1907/2006

Revision date: 08.07.2022

v. 1

Date of issue: 13.03.2009

Trade name: Penetrant HM-3A spraycan

(Contd. of page 1)

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a doctor.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Additional information:

Classification according Directive 2008 47 EC - Amending directive relating to aerosol dispensers
 EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards See Chapters 3 and 15 for details.

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.

Dangerous components:

CAS: 68512-91-4 EINECS: 270-990-9 Reg.nr.: 01-2119485926-20	Hydrocarbons, C3-4-rich, petroleum distillate ⚠ Flam. Gas 1A, H220; Press. Gas (Liq.), H280	25-50%
CAS: 68131-40-8 Reg.nr.: polymer	Secondary alcohol ethoxylates (3) ⚠ Eye Dam. 1, H318	10-25%
CAS: 64742-47-8 EC number: 918-973-3 Reg.nr.: 01-2119458871-30	Blend of highly refined mineral oil ⚠ Asp. Tox. 1, H304, EUH066	10-25%
CAS: 64742-55-8 EC number: 920-114-2 Reg.nr.: 01-2119977122-39	Blend of highly refined mineral oil ⚠ Asp. Tox. 1, H304, EUH066	10-25%

Additional information:

Hydrocarbons, C3-4-rich, petroleum distillate: Note K applies to this product:

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3-butadiene (Einecs No 203-450-8)

64742-55-8 Blend of highly refined mineral oil: Note L is applicable for this product:

The classification as a carcinogen need not apply, because the substance contains less than 3 % DMSO extract as measured by IP 346.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
Remove contaminated clothing.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

— GB —
(Contd. on page 3)

Safety data sheet

According (EU) 2020/878, Annex B amending Regulation (EC) No 1907/2006

Revision date: 08.07.2022

v. 1

Date of issue: 13.03.2009

Trade name: Penetrant HM-3A spraycan

(Contd. of page 2)

* SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
 - Water haze
 - Foam
 - ABC powder
- **For safety reasons unsuitable extinguishing agents:** Water spray
- **5.2 Special hazards arising from the substance or mixture**
 - Carbon monoxide and carbon dioxide
 - No further relevant information available.
- **5.3 Advice for firefighters**
- **Special protective equipment for fire-fighters:**
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.

* SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 - Wear protective equipment. Keep unprotected persons away.
 - Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
 - Use neutralising agent.
 - Dispose contaminated material as waste according to item 13.
 - Ensure adequate ventilation.
- **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** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:**
 - Do not spray onto a naked flame or any incandescent material.
 - Keep ignition sources away - Do not smoke.
 - Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

* SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.

(Contd. on page 4)

GB

Safety data sheet

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Revision date: 08.07.2022

v. 1

Date of issue: 13.03.2009

Trade name: Penetrant HM-3A spraycan

(Contd. of page 3)

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes.
 Avoid contact with the eyes and skin.

- **Respiratory protection:**

Respiratory protection:
 When using a liquid based on organic compound:
 - Recommended for organic vapour (type A)
 When using a dry powder:
 - Recommended for particulate filters (type P)

- **Hand protection**



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** Natural rubber, NR

- **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/face protection**



Safety glasses

Tightly sealed goggles

- **Body protection:** Use protective suit.

* SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Aerosol

- **Colour:**

Yellow fluorescent

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Undetermined.

- **Boiling point or initial boiling point and boiling range**

-20 °C

- **Flammability**

Not applicable.

- **Lower and upper explosion limit**

- **Lower:**

0.5 Vol %

- **Upper:**

10 Vol %

- **Flash point:**

-50 °C (ASTM D-93)

- **Auto-ignition temperature:**

>230 °C

- **Decomposition temperature:**

Not determined.

- **pH**

Not determined.

- **Viscosity:**

- **Kinematic viscosity**

Not determined.

- **Dynamic:**

Not determined.

- **Solubility**

- **water:**

Not determined.

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Vapour pressure at 20 °C:**

0.1 hPa

(Contd. on page 5)

Safety data sheet

According (EU) 2020/878, Annex B amending Regulation (EC) No 1907/2006

Revision date: 08.07.2022

v. 1

Date of issue: 13.03.2009

Trade name: Penetrant HM-3A spraycan

(Contd. of page 4)

· Density and/or relative density	
· Density at 20 °C:	0.705 g/cm ³ (ASTM D-1298)
· Relative density	Not determined.
· Vapour density	Not determined.
9.2 Other information	
· Appearance:	
· Form:	Aerosol
· Important information on protection of health and environment, and on safety.	
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Solvent content:	
· Organic solvents:	26.3 %
· VOC (1999/13/EG)	50.00 %
· Change in condition	
· Evaporation rate	Not applicable.
Information with regard to physical hazard classes	
· Explosives	not applicable
· Flammable gases	not applicable
· Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
· Oxidising gases	not applicable
· Gases under pressure	not applicable
· Flammable liquids	not applicable
· Flammable solids	not applicable
· Self-reactive substances and mixtures	not applicable
· Pyrophoric liquids	not applicable
· Pyrophoric solids	not applicable
· Self-heating substances and mixtures	not applicable
· Substances and mixtures, which emit flammable gases in contact with water	not applicable
· Oxidising liquids	not applicable
· Oxidising solids	not applicable
· Organic peroxides	not applicable
· Corrosive to metals	not applicable
· Desensitised explosives	not applicable

* SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
Stable at environment temperature.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

* SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Information on hazardous ingredients

(Contd. on page 6)

GB

Safety data sheet

According (EU) 2020/878, Annex B amending Regulation (EC) No 1907/2006

Revision date: 08.07.2022

v. 1

Date of issue: 13.03.2009

Trade name: Penetrant HM-3A spraycan

(Contd. of page 5)

· LD/LC50 values relevant for classification:		
CAS: 68131-40-8 Secondary alcohol ethoxylates (3)		
Oral	LD50	2,600 mg/kg (rat)
CAS: 64742-47-8 Blend of highly refined mineral oil		
Oral	LD50	>2,000 mg/kg (rat)
		>2,000 mg/kg (rabbit)
CAS: 64742-55-8 Blend of highly refined mineral oil		
Oral	LD50	>2,000 mg/kg (rat)
		>2,000 mg/kg (rabbit)

- **Skin corrosion/irritation** repeated exposure may cause skin dryness or cracking
- **Serious eye damage/irritation** Causes serious eye damage.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

· Endocrine disrupting properties	
None of the ingredients is listed.	

* SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
Information on hazardous ingredients

CAS: 68131-40-8 Secondary alcohol ethoxylates (3)	
LC50/ 96 h	1-10 mg/l (Fish)
EC50/ 48 h	3.1 mg/l (daphnia)
CAS: 64742-47-8 Blend of highly refined mineral oil	
LC50/ 96 h	>1,000 mg/l (Fish)
EC50/ 48 h	>1,000 mg/l (daphnia)
IC50 /72 h	>1,000 mg/l (Algae)

- **12.2 Persistence and degradability** Product tested according to OECD302B regulation, show inherent & ultimate biodegradability.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**

- **Remark:**
Secondary alcohol ethoxylates: This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralised.

* 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.
Waste/ unused products
Collect all waste in suitable and labelled containers and dispose according to local legislation.

(Contd. on page 7)

GB

Safety data sheet
According (EU) 2020/878, Annex B amending Regulation (EC) No
1907/2006

Revision date: 08.07.2022

v. 1



Date of issue: 13.03.2009

Trade name: Penetrant HM-3A spraycan

(Contd. of page 6)

- **Uncleaned packaging:**
- **Recommendation:**
Waste / used products
Waste products and empty packages dispose of in accordance with local regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

* SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN number or ID number · ADR, IMDG, IATA 	UN1950
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, IMDG · IATA 	AEROSOLS AEROSOLS, flammable
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	2 5F Gases. 2.1
<ul style="list-style-type: none"> · IMDG, IATA 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	2.1 Gases. 2.1
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	not applicable
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: 	No
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Code 	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
<ul style="list-style-type: none"> · Segregation Code 	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
<ul style="list-style-type: none"> · 14.7 Maritime transport in bulk according to IMO instruments 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: 	<hr style="border-top: 1px dashed black;"/>
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) 	1L

(Contd. on page 8)

Safety data sheet

According (EU) 2020/878, Annex B amending Regulation (EC) No 1907/2006

Revision date: 08.07.2022

v. 1

Date of issue: 13.03.2009

Trade name: Penetrant HM-3A spraycan

(Contd. of page 7)

· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· Remarks:	Aerosols may be transported under LIMITED QUANTITIES (LQ). See ADR 3.4 - LQ2. That means no class 2.
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Remarks:	Aerosols may be transported under LIMITED QUANTITIES (LQ). See IMDG 3.4 - LQ2. That means no class 2.
· IATA	
· Remarks:	Max. net quantity per package - Passenger Aircraft 75kg Max. net quantity per package - Cargo Aircraft 150kg Max. net quantity per package - Limited quantities 30 kg G Packaging Instruction: Passenger Aircraft - PI 203 Cargo aircraft - PI 203 Limited quantities - PI Y203
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

* SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category** P3a FLAMMABLE AEROSOLS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· 15.2 Chemical safety assessment:

A chemical safety assessment is only required for substances, which meet the criteria of UK REACH article 14.

For all raw materials used in this product no exposure scenarios are available/needed as they are exempted from UK REACH registration and/or are non-hazardous. There are no routine anticipated exposures by ingestion related to any supported uses of these substances. The risk can therefore be controlled by implementing the risk management measures represented in this Safety Data Sheet, and exposure scenarios are not required.

A Chemical Safety Assessment has not been carried out.

* SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

European regulation (UK REACH) requires that in paragraph 16 all H sentences dealing with raw materials appearing in paragraph 2 and 3 be written. This regulation states which sentences will finally be written on labels (paragraph 3) depending on the respective concentration of every raw material in the preparation. That's why some or all of the sentences or signs shows in paragraph 16 may not be written on the label. BabbCo complies with the law. Any MSDS with the H sentences of the raw material not shown in the paragraph 16 does not comply with regulation.

· **Relevant phrases**

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

(Contd. on page 9)

Safety data sheet
According (EU) 2020/878, Annex B amending Regulation (EC) No
1907/2006

Revision date: 08.07.2022

v. 1

Date of issue: 13.03.2009

Trade name: Penetrant HM-3A spraycan

(Contd. of page 8)

H304 May be fatal if swallowed and enters airways.

H318 Causes serious eye damage.

EUH066 Repeated exposure may cause skin dryness or cracking.

· **Contact:** BabbCo SA· **Prepared by** Babb Co S.A.· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Liq.): Gases under pressure – Liquefied gas

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**

GB
