

## Safety Data Sheet

### PENETRATING OIL spray



Safety Data Sheet dated 22/7/2022, version 3

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

##### 1.1. Product identifier

Mixture identification:

Trade name: PENETRATING OIL spray

Trade code: 80.8065

UFI: 4EMF-E9N2-520E-925K

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use:

unblocks encrustations and rust, lubricates, stops and prevents oxidation

Uses advised against:

All those not specifically identified on the label

##### 1.3. Details of the supplier of the safety data sheet

Company:

ARECO ITALIA SPA Via Alfonso Capecehatro, 55 20148 Milano

Centro Antiveleni - Ospedale di Niguarda - Milano - Tel. 0039 02 66101029

Competent person responsible for the safety data sheet:

commerciale@arecoitalia.it

##### 1.4. Emergency telephone number

Centro Antiveleni - Ospedale di Niguarda - Milano - Tel. 0039 02 66101029

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#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):



Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.

Adverse physicochemical, human health and environmental effects:

No other hazards

##### 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H222, H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

Precautionary statements:

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

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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.

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P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards













### SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 40% - < 50%	Hydrocarbons, C10-C13, isoalkanes, cyclics, < 2% aromatics	EC: 918-481-9 REACH No.: 01-21194572 73-39	 3.10/1 Asp. Tox. 1 H304 EUH066
>= 20% - < 25%	propane	Index number: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9 REACH No.: 01-21194869 44-21	 2.2/1 Flam. Gas 1 H220  2.5/L Press Gas (Liq.) H280
>= 10% - < 12.5%	butane	Index number: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7 REACH No.: 01-21194746 91-32	 2.2/1 Flam. Gas 1 H220  2.5/L Press Gas (Liq.) H280
>= 7% - < 10%	and isobutane	Index number: 601-004-00-0 CAS: 75-28-5 EC: 200-857-2 REACH No.: 01-21194853 95-27	 2.2/1 Flam. Gas 1 H220  2.5/L Press Gas (Liq.) H280
>= 2.5% - < 5%	n-butyl acetate	Index number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 REACH No.: 01-21194854 93-29	 2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336 EUH066
333 ppm	benzene	Index number: 601-020-00-8 CAS: 71-43-2 EC: 200-753-7	 2.6/2 Flam. Liq. 2 H225  3.6/1A Carc. 1A H350  3.5/1B Muta. 1B H340

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			 3.9/1 STOT RE 1 H372  3.10/1 Asp. Tox. 1 H304  3.3/2 Eye Irrit. 2 H319  3.2/2 Skin Irrit. 2 H315
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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

##### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

##### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

#### SECTION 6: Accidental release measures

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

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

##### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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- Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up  
Wash with plenty of water.
- 6.4. Reference to other sections  
See also section 8 and 13

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#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
See also section 8 for recommended protective equipment.  
Advice on general occupational hygiene:  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities  
Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Cool and adequately ventilated.
- 7.3. Specific end use(s)  
None in particular

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

- 8.1. Control parameters  
propane - CAS: 74-98-6  
ACGIH - Notes: (D, EX) - Asphyxia  
VLE short - 1000 ppm  
butane - CAS: 106-97-8  
ACGIH - STEL: 1000 ppm - Notes: (EX) - CNS impair  
and isobutane - CAS: 75-28-5  
ACGIH - STEL: 1000 ppm - Notes: (EX) - CNS impair  
VLE short - 1000 ppm  
n-butyl acetate - CAS: 123-86-4  
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr  
EU - TWA(8h): 241 mg/m<sup>3</sup>, 50 ppm - STEL: 723 mg/m<sup>3</sup>, 150 ppm  
benzene - CAS: 71-43-2  
EU - TWA(8h): 3.25 mg/m<sup>3</sup>, 1 ppm - Notes: Skin  
ACGIH - TWA(8h): 0.5 ppm - STEL: 2.5 ppm - Notes: Skin, A1, BEI - Leukemia
- DNEL Exposure Limit Values  
N.A.
- PNEC Exposure Limit Values  
N.A.
- 8.2. Exposure controls  
Eye protection:  
Not needed for normal use. Anyway, operate according good working practices.
- Protection for skin:

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No special precaution must be adopted for normal use.

Protection for hands:  
Not needed for normal use.

Respiratory protection:  
Not needed for normal use.

Thermal Hazards:  
None

Environmental exposure controls:  
None

Appropriate engineering controls:  
None

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Liquid aspect (under pressure), colourless.	--	--
Odour:	Characteristic of solvent	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	Inf. 0 ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	Extremely flammable	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	a 20°C - 4,0 bar a 50°C - 8,0 bar	--	--
Vapour density:	> of air.	--	--
Relative density:	0,75 - 0,80 g/ml	--	--
Solubility in water:	N0	--	--
Solubility in oil:	SI	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

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#### 9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

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### SECTION 10: Stability and reactivity

- 10.1. Reactivity
  - Stable under normal conditions
- 10.2. Chemical stability
  - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
  - None
- 10.4. Conditions to avoid
  - Stable under normal conditions.
- 10.5. Incompatible materials
  - Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products
  - None.

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### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
  - Toxicological information of the product:
    - SBLOCCANTE SPRAY
  - a) acute toxicity
    - Not classified
    - Based on available data, the classification criteria are not met
  - b) skin corrosion/irritation
    - Not classified
    - Based on available data, the classification criteria are not met
  - c) serious eye damage/irritation
    - Not classified
    - Based on available data, the classification criteria are not met
  - d) respiratory or skin sensitisation
    - Not classified
    - Based on available data, the classification criteria are not met
  - e) germ cell mutagenicity
    - Not classified
    - Based on available data, the classification criteria are not met
  - f) carcinogenicity
    - Not classified
    - Based on available data, the classification criteria are not met
  - g) reproductive toxicity
    - Not classified
    - Based on available data, the classification criteria are not met
  - h) STOT-single exposure
    - Not classified

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- Based on available data, the classification criteria are not met
- i) STOT-repeated exposure  
Not classified
- Based on available data, the classification criteria are not met
- j) aspiration hazard  
Not classified
- Based on available data, the classification criteria are not met
- Toxicological information of the main substances found in the product:  
N.A.

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#### SECTION 12: Ecological information

- 12.1. Toxicity  
Adopt good working practices, so that the product is not released into the environment.  
SBLOCCANTE SPRAY  
Not classified for environmental hazards  
Based on available data, the classification criteria are not met
- 12.2. Persistence and degradability  
None  
N.A.
- 12.3. Bioaccumulative potential  
N.A.
- 12.4. Mobility in soil  
N.A.
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
None

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#### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods  
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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#### SECTION 14: Transport information

- 14.1. UN number  
ADR-UN number: 1950  
IATA-Un number: 1950  
IMDG-Un number: 1950
- 14.2. UN proper shipping name  
ADR-Shipping Name: AEROSOL  
IATA-Technical name: AEROSOL  
IMDG-Technical name: AEROSOL
- 14.3. Transport hazard class(es)  
ADR-Class: 2 5F  
IATA-Class: 2.1  
IATA-Label: 2.1  
IMDG-Class: 5
- 14.4. Packing group  
ADR-Packing Group: -  
IATA-Packing group: -  
IMDG-Packing group: -

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- 14.5. Environmental hazards  
Marine pollutant: Marine pollutant
- 14.6. Special precautions for user  
IATA-Passenger Aircraft: ---  
IATA-Cargo Aircraft: 203  
IMDG-Technical name: AEROSOL  
IMDG-Page: F-D, S-U  
IMDG-EMS: F-D, SU
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
N.A.

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#### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) 2015/830  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
Regulation (EU) n. 2016/918 (ATP 8 CLP)  
Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
Regulation (EU) n. 2017/776 (ATP 10 CLP)  
Regulation (EU) n. 2018/669 (ATP 11 CLP)  
Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2019/521 (ATP 12 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:  
Restrictions related to the product:  
Restriction 3  
Restriction 40  
Restrictions related to the substances contained:  
Restriction 5  
Restriction 28  
Restriction 29  
Restriction 72  
Restriction 75
- Volatile Organic compounds - VOCs = 567.22 g/l  
Volatile CMR substances = 0.00 %  
Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %  
Organic Carbon - C = 0.00
- Where applicable, refer to the following regulatory provisions :  
Directive 2012/18/EU (Seveso III)  
Regulation (EC) nr 648/2004 (detergents).  
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

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Seveso III category according to Annex 1, part 1  
 Product belongs to category: P3a

- 15.2. Chemical safety assessment  
 No Chemical Safety Assessment has been carried out for the mixture.

#### SECTION 16: Other information

Text of phrases referred to under heading 3:

H304 May be fatal if swallowed and enters airways.  
 EUH066 Repeated exposure may cause skin dryness or cracking.  
 H220 Extremely flammable gas.  
 H280 Contains gas under pressure; may explode if heated.  
 H226 Flammable liquid and vapour.  
 H336 May cause drowsiness or dizziness.  
 H225 Highly flammable liquid and vapour.  
 H350 May cause cancer.  
 H340 May cause genetic defects.  
 H372 Causes damage to organs through prolonged or repeated exposure.  
 H319 Causes serious eye irritation.  
 H315 Causes skin irritation.

Hazard class and hazard category	Code	Description
Flam. Gas 1	2.2/1	Flammable gas, Category 1
Aerosols 1	2.3/1	Aerosol, Category 1
Press Gas (Liq.)	2.5/L	Gases under pressure (Liquefied gas)
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Muta. 1B	3.5/1B	Germ cell mutagenicity, Category 1B
Carc. 1A	3.6/1A	Carcinogenicity, Category 1A
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 1	3.9/1	Specific target organ toxicity - repeated exposure, Category 1

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 1, H222, H229	On basis of test data

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
 Commission of the European Communities  
 SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
 Nostrand Reinold

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The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.  
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.