

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 21.10.2009

Revision: 15.10.2009

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

- **Trade name:** ARMY PAINTS 400ML
- **Article number:** Various
- **Application of the substance / the preparation** Paint

· **Manufacturer/Supplier:**

Van Os Imports
 Boveneind Noordzijde 56
 NL- 3405 AJ BENSCHOP
 The Netherlands
 Tel: +31 (0)348 451219
 Fax: +31 (0)348 451864

- **Further information obtainable from:** QHSE Department
- **Information in case of emergency:** Tel: +31 (0)348 451219 (08.00 / 17.00)

2 Hazards identification

· **Hazard description:**



Xi Irritant
F+ Extremely 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.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurized container.

Has a narcotizing effect.

R 12 Extremely flammable.

R 36 Irritating to eyes.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Keep out of the reach of children

· **Classification system:**

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

· **GHS label elements**



Danger

H222 - Extremely flammable aerosol.



Warning

H319+EUH066 - Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.

H336 - May cause drowsiness or dizziness.

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H412 - Harmful to aquatic life with long lasting effects.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Keep out of the reach of children

· **Prevention:**

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

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P273 Avoid release to the environment.

· **Response:**

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

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

· **Storage:**

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

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

· **Disposal:**

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

3 Composition/information on ingredients

· **Chemical characterization**

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

· **Dangerous components:**

| | | |
|--------------------------------------|--|----------|
| CAS: 67-64-1 EINECS: 200-662-2 | acetone Xi, F; R 11-36-66-67 Danger: 2.6/2 Warning: 3.3/2, 3.8/3 | 25-50% |
| CAS: 74-98-6 EINECS: 200-827-9 | propane F+; R 12 Danger: 2.2/1 Warning: 2.5/C | 12.5-20% |
| CAS: 64742-82-1 EINECS: 265-185-4 | Naphtha (petroleum), hydrodesulfurized heavy Xn, N; R 10-51/53-65-66-67 Danger: 3.6/1B, 3.10/1 | 10-12.5% |
| CAS: 106-97-8 EINECS: 203-448-7 | butane F+; R 12 Danger: 2.2/1 Warning: 2.5/C | 10-12.5% |
| CAS: 75-28-5 EINECS: 200-857-2 | isobutane F+; R 12 Danger: 2.2/1 Warning: 2.5/C | 10-12.5% |
| CAS: 1330-20-7 EINECS: 215-535-7 | xylene Xn, Xi; R 10-20/21-38 Warning: 2.6/3; 3.1.D/4, 3.1.I/4, 3.2/2 | 1-2.5% |

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|--------------------------------------|--|--------------------|
| CAS: 64742-49-0 EINECS: 265-151-9 | Naphtha (petroleum), hydrotreated light  Xn,  Xi,  F,  N; R 11-38-51/53-65-67 Danger:  3.6/1B, 3.10/I | 1-2.5% |
| CAS: 64742-95-6 EINECS: 265-199-0 | Solvent naphtha (petroleum), light arom.  Xn,  Xi,  N; R 10-37-51/53-65-66-67 Danger:  3.6/1B, 3.10/I | 0.1-1% |

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

5 Fire-fighting measures

- **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
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized 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.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.

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Protect from heat and direct sunlight.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

67-64-1 acetone

| | |
|--------|--|
| WEL () | Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm |
|--------|--|

106-97-8 butane

| | |
|--------|---|
| WEL () | Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene) |
|--------|---|

1330-20-7 xylene

| | |
|--------|--|
| WEL () | Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV |
|--------|--|

· **Additional information:** The lists valid during the making were used as basis.

· **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.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required.

· **Protection of hands:** Not required.

· **Material of gloves:** Not required.

· **Penetration time of glove material:** Not required.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

| | |
|----------------|------------------------------------|
| Form: | Aerosol |
| Colour: | According to product specification |
| Odour: | Characteristic |

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Not applicable, as aerosol.

· **Flash point:** < 0°C (< 32°F)
Not applicable, as aerosol.

· **Ignition temperature:** 365°C (689°F)

· **Self-igniting:** Product is not selfigniting.

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- | | |
|--|---|
| · Danger of explosion: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| · Explosion limits: | |
| Lower: | 0.6 Vol % |
| Upper: | 13.0 Vol % |
| · Vapour pressure at 20°C (68°F): | 3500 hPa (2625 mm Hg) |
| · Density at 20°C (68°F): | 0.74 g/cm ³ |
| · Solubility in / Miscibility with water: | Not miscible or difficult to mix. |
| · Solvent content: | |
| Organic solvents: | 79.9 % |
| · EU-VOC: | 590.9 g/l |
| · EU-VOC in %: | 79.86 % |
| · Solids content: | 18.5 % |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

67-64-1 acetone

| | | |
|--------|------------|----------------------------|
| Oral | LD50 | 5800 mg/kg (rat) |
| Dermal | LD50 | 20000 mg/kg (rabbit) |
| | LC50 / 4 h | 39 mg/m ³ (rat) |

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

| | | |
|--------|------------|--------------------------------|
| Oral | LD50 | > 5000 mg/kg (rat) |
| Dermal | LD50 | > 3000 mg/kg (rabbit) |
| | LC50 / 4 h | > 11.6 mg/m ³ (rat) |

106-97-8 butane

| | | |
|--|------------|-----------------------------|
| | LC50 / 4 h | 658 mg/m ³ (rat) |
|--|------------|-----------------------------|

1330-20-7 xylene

| | | |
|--------|------------|------------------------------|
| Oral | LD50 | 4300 mg/kg (rat) |
| Dermal | LD50 | 2000 mg/kg (rabbit) |
| | LC50 / 4 h | 22.1 mg/m ³ (rat) |

64742-49-0 Naphtha (petroleum), hydrotreated light

| | | |
|--------|------------|-------------------------------|
| Oral | LD50 | > 5000 mg/kg (rat) |
| Dermal | LD50 | > 2600 mg/kg (rabbit) |
| | LC50 / 4 h | > 193 mg/m ³ (rat) |

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

| | | |
|--------|------|--------------------|
| Oral | LD50 | > 5000 mg/kg (rat) |
| Dermal | LD50 | > 3000 mg/kg (rab) |

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LC50 / 4 h >15 mg/m³ (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **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:
Irritant

12 Ecological information

- **Ecotoxicological effects:**

- **Acquatic toxicity:**

67-64-1 acetone

| | |
|----------------------|---------------------------|
| EC50 / 48 h | 39 mg/l (daphnia magna) |
| LC50 / 48 h | 2262 mg/l (daphnia magna) |
| LC50 / 96 h (static) | 5540 mg/l (fish) |

1330-20-7 xylene

| | |
|-------------|--------------------------|
| EC50 / 48 h | 7.4 mg/l (daphnia magna) |
| LC50 / 96 h | 13.5 mg/l (fish) |

64742-49-0 Naphtha (petroleum), hydrotreated light

| | |
|------|-------------------------------|
| LC50 | 127-159 mg/l (Leuciscus idus) |
|------|-------------------------------|

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

| | |
|-------------|--------------------------|
| EC50 / 24 h | 150 mg/l (daphnia magna) |
| EC50 / 48 h | 7.4 mg/l (daphnia magna) |
| LC50 / 96 h | 3.77 mg/l (fish) |

- **Remark:** Harmful to fish
- **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.
Harmful to aquatic organisms

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

| | |
|----------|---|
| 08 01 11 | waste paint and varnish containing organic solvents or other dangerous substances |
| 15 01 04 | metallic packaging |

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

· Land transport ADR/RID (cross-border)



- **ADR/RID class:** 2 5F Gases.
- **Danger code (Kemler):** -
- **UN-Number:** 1950
- **Packaging group:** -
- **Hazard label** 2.1
- **Description of goods:** 1950 AEROSOLS
- **Limited quantities (LQ)** LQ2
- **Transport category** 2
- **Tunnel restriction code** D

· Maritime transport IMDG:



- **IMDG Class:** 2.1
- **UN Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Proper shipping name:** AEROSOLS

· Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **Proper shipping name:** AEROSOLS, flammable

· **UN "Model Regulation":** UN1950, AEROSOLS, 2.1

15 Regulatory information

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:



Xi Irritant
F+ Extremely flammable

· Risk phrases:

- 12 Extremely flammable.
- 36 Irritating to eyes.

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52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

· Safety phrases:

2 Keep out of the reach of children.

23 Do not breathe aerosol.

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

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

· Special labelling of certain preparations:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Keep out of the reach of children

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 R-phrases

10 Flammable.

11 Highly flammable.

12 Extremely flammable.

20/21 Harmful by inhalation and in contact with skin.

36 Irritating to eyes.

37 Irritating to respiratory system.

38 Irritating to skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

· Department issuing MSDS: QHSE Department**· Contact:****· 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)

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent