

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010



Article No.: I-2-2-F-2-601  
Print date 04.07.2014  
Version 20.0

JANSEN ZAPONLACK  
Revision date 23.06.2014  
Issue date 23.06.2014

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

**1.1. Product identifiers**

Article No. (manufacturer/supplier): I-2-2-F-2-601  
Identification of the substance or mixture: JANSEN ZAPONLACK  
Transparent Metal Lacquer for Exterior

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

**Relevant identified uses:**

Varnish / paint

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

**Supplier (manufacturer/importer/only representative/downstream user/distributor)**

P.A. Jansen GmbH u. Co., KG  
Maler-Spezialprodukte Telephone: +49 2641 3897-0  
Hochstadenstraße 22 Telefax: +49 2641 3897-28  
D-53474 Bad Neuenahr-Ahrweiler Homepage: www.jansen.de

**Dept. responsible for information:**

Labor  
E-mail (competent person) info@jansen.de

**1.4. Emergency telephone number**

Emergency telephone number +49 2641 3897-53  
Only available during office hours.

**SECTION 2: Hazards identification**

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

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

|                          |  |  |
|--------------------------|--|--|
| Flam. Liq. 3 / H226      | flammable liquids                                | Flammable liquid and vapour.                     |
| STOT SE 3 / H335         | Specific target organ toxicity (single exposure) | May cause respiratory irritation.                |
| STOT SE 3 / H336         | Specific target organ toxicity (single exposure) | May cause drowsiness or dizziness.               |
| Aquatic Chronic 2 / H411 | Hazardous to the aquatic environment             | Toxic to aquatic life with long lasting effects. |

**Classification according to Directive 67/548/EEC or 1999/45/EC**

This mixture is classified as hazardous according to 1999/45/EC.

|           |                               |  |
|-----------|-------------------------------|--|
| R10       |                               | Flammable  |
| Xi; R37   | Irritant                      | Irritating to respiratory system.  |
| N; R51-53 | Dangerous for the environment | Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment. |
| R66       |                               | Repeated exposure may cause skin dryness or cracking.                                  |
| R67       |                               | Vapours may cause drowsiness and dizziness.  |

**2.2. Label elements**

The product is classified and labelled according to EC directives or corresponding national laws.

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms**



Warning

**Hazard statements**

|      |  |
|------|--|
| H226 | Flammable liquid and vapour.                     |
| H335 | May cause respiratory irritation.                |
| H336 | May cause drowsiness or dizziness.               |
| H411 | Toxic to aquatic life with long lasting effects. |

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**JANSEN** 

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**Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P243 Take precautionary measures against static discharge.  
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.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 IF INHALED: Remove 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.  
P370 + P378 In case of fire: Use Extinguishing powder or sand for extinction.  
P391 Collect spillage.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Keep locked up.  
P501 Dispose of contents/container to industrial incineration plant.

**contains:**

Solvent naphtha (petroleum), light aromatic naphtha boiling unspecified

**Supplemental Hazard information (EU)**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Labelling (67/548/EEC or 1999/45/EC)**



Xi Irritant



N Dangerous for the environment

**Hazard statements**

10 Flammable  
37 Irritating to respiratory system.  
51/53 Toxic 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.

**Precautionary statements**

24 Avoid contact with skin.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
38 In case of insufficient ventilation, wear suitable respiratory equipment.  
51 Use only in well-ventilated areas.  
61 Avoid release to the environment. Refer to special instructions/safety data sheet.  
23 Do not breathe vapour.

**contains:**

**Special provisions concerning the labelling of certain mixtures**

2.3. Other hazards

**SECTION 3: Composition / information on ingredients**

3.2. Mixtures

**Product description / chemical characterization**

Description Kunststoff-Farbe

**Hazardous ingredients**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

| EC No.    | REACH No.       | Wt %   |
|-----------|-----------------|--------|
| CAS No.   | Chemical name   | Remark |
| INDEX No. | classification: |        |

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|              |  |         |
|--------------|--|---------|
| 265-199-0    | 01-2119455851-35   |         |
| 64742-95-6   | Solvent naphtha (petroleum), light aromatic naphtha boiling unspecified                            | 25 - 50 |
| 649-356-00-4 | Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp.<br>Tox. 1 H304 / STOT SE 3 H336 |         |
| 204-658-1    | 01-2119485493-29   |         |
| 123-86-4     | n-butyl acetate  | 5 - 10  |
| 607-025-00-1 | Flam. Liq. 3 H226 / STOT SE 3 H336   |         |
| 203-539-1    |  |         |
| 107-98-2     | 1-methoxy-2-propanol   | 2,5 - 5 |
| 603-064-00-3 | Flam. Liq. 3 H226 / STOT SE 3 H336   |         |

**Classification according to Directive 67/548/EEC or 1999/45/EC**

| EC No.       | REACH No.   | Wt %    |
|--------------|---|---------|
| CAS No.      | Chemical name   | Remark  |
| INDEX No.    | classification:   |         |
| 265-199-0    | 01-2119455851-35  |         |
| 64742-95-6   | Solvent naphtha (petroleum), light aromatic naphtha boiling unspecified | 25 - 50 |
| 649-356-00-4 | R10 / Xi; R37 / N; R51-53 / Xn; R65 / R66 / R67                         |         |
| 204-658-1    | 01-2119485493-29  |         |
| 123-86-4     | n-butyl acetate   | 5 - 10  |
| 607-025-00-1 | R10 / R66 / R67   |         |
| 203-539-1    |   |         |
| 107-98-2     | 1-methoxy-2-propanol  | 2,5 - 5 |
| 603-064-00-3 | R10   | *       |

**Additional information**

\* Substance with a common (EC) occupational exposure limit value.

Full text of R-phrases: see section 16.

Full text of H-phrases: see section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact**

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do not induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

**Extinguishing media which must not be used for safety reasons:**

strong water jet

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

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Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

**5.3. Advice for firefighters**

Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous. Cool closed containers that are near the source of the fire.

**SECTION 6: Accidental release measures**

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

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

**6.3. Methods and material for containment and cleaning up**

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

**6.4. Reference to other sections**

Observe protective provisions (see chapter 7 and 8).

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advices on safe handling**

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

**Precautions against fire and explosion:**

Vapours are heavier than air. Vapours form explosive mixtures with air.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (BGR 132)".

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Further information on storage conditions**

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 40 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

**7.3. Specific end use(s)**

Observe technical data sheet. Observe instructions for use.

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

**8.1. Control parameters**

| EC No.<br>CAS No. | Description          | type | Limit valueUnit |          |                   |
|-------------------|----------------------|------|-----------------|----------|-------------------|
|                   |                      |      | STEL (EC)       | TWA (EC) |                   |
| 204-658-1         | n-butyl acetate      |      | 966             | 724      | mg/m <sup>3</sup> |
| 123-86-4          |                      |      | 200             | 150      | ppm               |
| 203-539-1         | 1-methoxy-2-propanol |      | 560             | 375      | mg/m <sup>3</sup> |
| 107-98-2          |                      |      | 150             | 100      | ppm               |

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#### Additional information

Stated values are taken from the then applicable German TRGS 900 or the German VCI table for exposure limit values.

TWA (EC): occupational exposure limit value

STEL (EC): short-term occupational exposure limit value

#### 8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

#### Occupational exposure controls

##### Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

##### Dand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

##### Eye protection

Wear closely fitting protective glasses in case of splashes.

##### Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

##### Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

#### Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

### SECTION 9: Physical and chemical properties

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

##### Appearance:

**Physical state:** liquid  
**Colour:** refer to label  
**Odour:** characteristic

| Safety relevant basis data   | Unit                   | Method:          | Remark |
|------------------------------|------------------------|------------------|--------|
| Flash point:                 | 24 °C                  | DIN 53213        |        |
| Ignition temperature in °C:  | 420 °C                 |                  |        |
| lower explosion limit:       | 1,0 Vol-%              | literature value |        |
| Upper explosion limit:       | 7,5 Vol-%              | literature value |        |
| Vapour pressure at 20 °C:    | 13,30 mbar             |                  |        |
| Density at 20 °C:            | 0,93 g/cm <sup>3</sup> | DIN 53217        |        |
| Water solubility (g/L):      | insoluble              |                  |        |
| pH value at 20 °C:           | not specifid           |                  |        |
| Viscosity at 23 °C:          | 65 s 4 mm              | DIN 53211        |        |
| Solvent separation test (%): | < 3 %                  |                  |        |
| Solid content (%):           | 38 Wt %                |                  |        |
| solvent content:             |                        |                  |        |
| Organic solvents:            | 62 Wt %                |                  |        |
| Water:                       | 0 Wt %                 |                  |        |

#### 9.2. Other information:

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

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**10.3. Possibility of hazardous reactions**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

**10.4. Conditions to avoid**

Hazardous decomposition byproducts may form with exposure to high temperatures.

**10.5. Incompatible materials**

**10.6. Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

**SECTION 11: Toxicological information**

No data on preparation itself available.

**11.1. Information on toxicological effects**

**Acute toxicity**

Toxicological data are not available.

**Irritant and corrosive effects**

Toxicological data are not available.

**Sensitisation**

Toxicological data are not available.

**Specific target organ toxicity**

Toxicological data are not available.

**Aspiration hazard**

Toxicological data are not available.

**Practical experience/human evidence**

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

**Overall Assessment on CMR properties**

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2. according to 67/548/EEC.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

**SECTION 12: Ecological information**

**overall evaluation**

There is no information available on the preparation itself .  
Do not allow to enter into surface water or drains.

**12.1. Toxicity**

Toxicological data are not available.

**12.2. Persistence and degradability**

Toxicological data are not available.

**12.3. Bioaccumulative potential**

Toxicological data are not available.

**12.4. Mobility in soil**

Toxicological data are not available.

**12.5. Results of PBT assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**



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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

##### List of proposed waste codes/waste designations in accordance with EWC

080111 waste paint and varnish containing organic solvents or other dangerous substances

##### packaging

##### Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

### SECTION 14: Transport information

#### 14.1. UN number

1263

#### 14.2. UN proper shipping name

Land transport (ADR/RID): Paint  
Sea transport (IMDG): PAINT  
Air transport (ICAO-TI / IATA-DGR): Paint

#### 14.3. Transport hazard class(es)

3

#### 14.4. Packing group

III

#### 14.5. Environmental hazards

Land transport (ADR/RID) UMWELTGEFÄHRDEND  
Marine pollutant p / Solventnaphta leicht verg.6%B.

#### 14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

##### Additional information

##### Land transport (ADR/RID)

tunnel restriction code D/E

##### Sea transport (IMDG)

EmS-No. F-E, S-E

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

### SECTION 15: Regulatory information

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

##### EU legislation

##### Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/L) ISO 11890-2: 581

VOC-value (in g/L) ASTM D 2369: 581

##### National regulations

##### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the "juvenile work protection guideline" (94/33/EC).

##### Other regulations, restrictions and prohibition regulations

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**15.2. Chemical Safety Assessment**

Chemical safety assessments for substances in this preparation were not carried out.

**SECTION 16: Other information**

**Relevant R-and H-phrases (Number and full text):**

|                          |  |  |
|--------------------------|--|--|
| Flam. Liq. 3 / H226      | flammable liquids                                | Flammable liquid and vapour.   |
| STOT SE 3 / H335         | Specific target organ toxicity (single exposure) | May cause respiratory irritation.  |
| Aquatic Chronic 2 / H411 | Hazardous to the aquatic environment             | Toxic to aquatic life with long lasting effects.                                       |
| Asp. Tox. 1 / H304       | Aspiration hazard                                | May be fatal if swallowed and enters airways.  |
| STOT SE 3 / H336         | Specific target organ toxicity (single exposure) | May cause drowsiness or dizziness.   |
| R10                      |  | Flammable  |
| R66                      |  | Repeated exposure may cause skin dryness or cracking.                                  |
| R67                      |  | Vapours may cause drowsiness and dizziness.  |
| Xi; R37                  | Irritant   | Irritating to respiratory system.  |
| N; R51-53                | Dangerous for the environment                    | Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment. |
| Xn; R65                  | Harmful  | Harmful: may cause lung damage if swallowed.   |

**Additional information**

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.