

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 01.01.2020

Identcode: 1

Revision: 01.01.2020

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

#### 1.1. Product identifier

- **Trade name:** OPN-Acrylic-Based Spray Paint in RAL colors

- **Article number:** 63435

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

- **Relevant identified uses** industrial use, professional use

- **Application of the substance / the mixture** Color spray

- **Uses advised against:**

consumer use (private households)

Do not use for products that are intended for contact with food - exclude food contact.

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

- **Manufacturer/Supplier:**

OPN-CHEMIE OTTO PETRI GMBH

In der Au 14

D-57290 Neunkirchen/Germany

Tel.: +49 (0) 2735 / 7725-0

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E-Mail: info@opn-chemie.de

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- **Further information obtainable from:**

Safety data sheets Mrs. Barbara Angelika Gros-Petri

Tel.: +49 (0) 2735 / 7725-20

E-Mail: baerbel.petri@opn-chemie.de

#### 1.4 24 hours Emergency telephone number:

Vergiftungs-Informationen-Zentrale Freiburg +49 (0) 761 / 192 40

### SECTION 2: Hazards identification

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

- **Classification according to Regulation (EC) Nr. 1272/2008**

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

*Eye Irrit. 2 H319 Causes serious eye irritation..*

*STOT SE. 3 H336 May cause drowsiness or dizziness.*

#### 2.2. Label elements

- **Labelling according to Regulation (EC) No 1272/2008**

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

- **Hazard pictograms** *GHS02*



*GHS07*



- **Signal word** *Danger*

- **Hazard-determining components of labelling:**

*Aceton, n-Butylacetat*

- **Hazard statements**

*H222-229 Extremely flammable aerosol. Pressurised container: May burst if heated.*

*H319 Causes serious eye irritation.*

*H336 May cause drowsiness or dizziness*

- **Precautionary statements**

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

*P102 Keep out of reach of children.*

*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.*

*P260 Do not breathe spray.*

*P262 Do not get in eyes, on skin, or on clothing.*

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

*P280 Wear protective gloves/protective clothing/eye protection/face protection.*

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

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

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

*P403 Store in a well-ventilated place.*

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

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

**-Additional information:**

*EUH066 Repeated exposure may cause skin dryness or cracking.*

*Buildup of explosive mixtures possible without sufficient ventilation.*

**2.3. other hazards**


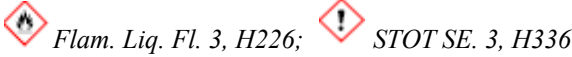

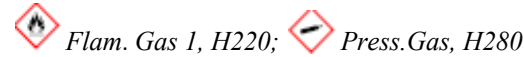
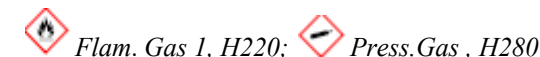
**-Results of PBT and vPvB assessment- PBT: Not applicable-vPvB: Not applicable.**

### SECTION3: Composition/information on ingredients

**- Chemical characterisation:** Mixtures

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

**- Dangerous components:**

CAS-No. EINECS-No. INDEX-No.	Description	Symbol	REG-No.	%
67-64-1 200-662-2	acetone		REG-No. 01-2119471330-49-xxxx	15-30
606-001-00-8	 <i>Flam.Liq. 2, H225; Eye Irrit. 2, H319; STOT SE. 3,H336</i>			
123-86-4 204-658-1	n-butyl acetate		REG-No. 01-2119485493-29-xxxx	15-30
607-025-00-1	 <i>Flam. Liq. Fl. 3, H226; STOT SE. 3, H336</i>			
141-78-6 205-500-4	ethyl acetate		REG-No. 01-2119475103-46-xxxx	1-5
607-022-00-5	 <i>Flam.Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3,H336</i>			
74-98-6 200-827-9	propane liquefied		REG-No. 01-2119486944-21-xxxx	5-15
601-003-00-5	 <i>Flam. Gas 1, H220; Press.Gas, H280</i>			
106-97-8 203-448-7	butan, pure (<0,1% Butadien)		REG-No.01-2119474691-32-xxxx	15-30
601-004-00-0	 <i>Flam. Gas 1, H220; Press. Gas, H280</i>			

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

### SECTION4: First aid measures

**4.1. Description of 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.

**- After swallowing:** If symptoms persist consult doctor.

**- Information for doctor:**

**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.

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### SECTION 5: Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

#### 6.2. Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

**6.3. Methods and material for containment and cleaning up:** 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** Ensure good ventilation/exhaustion at the workplace.

#### - Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke.

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

##### - Storage:

##### - Requirements to be met by storerooms and receptacles:

Store in a cool location. TRGS 510. Observe official regulations on storing packagings with pressurized containers.

- **Information about storage in one common storage facility:** Not required.

##### - Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

Recommended storage temperature: 10-30 °C.

- **Warehouse class:** 2B

**7.3. Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

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

#### 8.1. Control parameters

##### - Ingredients with limit values that require monitoring at the workplace:

CAS-No.	Name of the substance	%	Type	Value	Unit
67-64-1	acetone	15-30	MWC	1200	mg/m <sup>3</sup>
				500	ppm
123-86-4	n-butyl acetate	15-30	MWC	300	mg/m <sup>3</sup>
				62	ppm
141-78-6	ethyl acetate	1-5	MWC	734	mg/m <sup>3</sup>
				200	ppm
74-98-6	propane liquefied	5-15	MWC	1800	mg/m <sup>3</sup>
				1000	ppm
106-97-8	butane, pure	15-30	MWC	2400	mg/m <sup>3</sup>
				1000	ppm

(\*MWC = Maximum Workplace Concentration, WEL (Great Britain Long-term value))

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**DNEL's****67-64-1 aceton**

Oraal DNEL 62 mg/kg/bw/day (human)

Dermaal DNEL 62 mg/kg bw/day (human)

Inhalatief DNEL 200 mg/m<sup>3</sup> (human)- **Additional information:** The lists valid during the making were used as basis.**8.2. Exposure controls**- **Personal protective equipment:**- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols.

- **Respiratory protection:**

Not necessary if room is well-ventilated. When used properly and under normal conditions, breathing protection is not required.

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **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.

- **As protection from splashes gloves made of the following materials are suitable:**

Nitrilkautschuk or Butylkautschuk

- **Eye protection:** Tightly sealed goggles- **Body protection:** Light weight protective clothing
**SECTION 9: Physical and chemical properties**
- **Information on basic physical and chemical properties**- **General Information**- **Appearance:**- **Form:** Aerosol- **Colour:** in accordance with product description- **Odour:** Characteristic- **Odour threshold:** Not determined- **pH-value:** Not applicable for an aerosol- **Change in condition**- **Melting point/Melting range:** Undetermined.- **Boiling point/Boiling range:** Not applicable, as aerosol.- **Flash point:** Not applicable, as aerosol.- **Flammability (solid, gaseous):** Not applicable.- **Ignition temperature:** 490° Celsius- **Decomposition temperature:** Not determined.- **Self-igniting:** Product is not selfigniting.- **Danger of explosion:** Protect from sunlight and temperatures above 50 °C. Development of explosive vapor / air mixtures.- **Explosion limits:** lower: 1,5 volume % upper: 9,5 volume %- **Vapour pressure:** at 20° C 3-4 bar at 50° C 10,4 bar- **Density:** at 20° C 0.95 g/ml lacquer- **Relative density** Not determined. - **Vapour density** Not determined.- **Evaporation rate** Not applicable.- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

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- **Viscosity:** Dynamic: Not determined. Kinematic: Not determined.
- **Solvent content:** VOC (EC) 62,5% 260 gr per can, 650 gr per l

**9.2 other information:** No further relevant information available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

##### - Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

#### 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 toxicological effects

- **Acute toxicity:** Based on the available data, the classification criteria are not met

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

"-Einstufungsrelevante LD/LC50-Werte"		
<b>67-64-1 Aceton</b>		
Oral	LD50	5800 mg/kg rat
Dermal	LD50	>15800 mg/kg (rabbit)
Inhalativ	LC50/4 h	76 mg/l (rat)
<b>123-86-4 n-Butylacetat</b>		
Oral	LD50	10760 mg/kg rat
Dermal	LD50	>14112 mg/kg (rabbit)
Inhalativ	LC50/4 h	21 mg/l (rat)
<b>141-78-6 Ethylacetat</b>		
Oral	LD50	5600 mg/kg rat
Dermal	LD50	>20000 mg/kg (rabbit)
<b>106-97-8 Butan</b>		
Inhalativ	LC50/4 h	658 mg/l (rat)
<b>74-98-6 Propan</b>		
Inhalativ	LC50/4 h	> 20 mg/l (rat)

##### - Primary irritant effect:

**Skin corrosion/irritation** Based on the available data for the individual substances, the classification criteria are not met

**Serious eye damage/irritation** Causes serious eye irritation

**Respiratory or skin sensitisation** Based on the available data for the individual substances, the classification criteria are not met

**Germ cell mutagenicity** Based on the available data for the individual substances, the classification criteria are not met

**Karcinogenicity** Based on the available data for the individual substances, the classification criteria are not met

**Reproductive toxicity** Based on the available data for the individual substances, the classification criteria are not met

**STOT-single exposure** May cause drowsiness or dizziness

**STOT-repeated exposure** Based on the available data for the individual substances, the classification criteria are not met

**Aspiration hazard** Based on the available data for the individual substances, the classification criteria are not met

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### SECTION 12: Ecological information

#### 12.1. Toxicity

##### - Aquatic toxicity

67-64-1 Aceton	
NOEC	430 mg/l (Algen)
LC50/96 h	11000 mg/l (Ukelei) 5540 mg/l (Oncorhynchus mykiss)
LC50/48 h	8800 mg/l (daphnia magna)
NOEC/16h	1700 mg/l (Pseudomonas putida)
NOEC/48h	4740 mg/l (Pseudokirchneriella subcapitata)
123-86-4 n-Butylacetat	
EC50/24 h	73 mg/l (daphnia magna)
EC50/48 h	44 mg/l (daphnia magna)
EC50/72 h	647,7 mg/l (S)
LC50(96h)	18 mg/l (Pimephales promelas)

**12.2. Persistence and degradability** No further relevant information available.

**12.3. Bioaccumulative potential** No further relevant information available.

**12.4. Mobility in soil** No further relevant information available.

##### - 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.

**12.5.-Results of PBT and vPvB assessment- PBT:** Not applicable-**vPvB:** Not applicable.

**12.6. Other adverse effects** No further relevant information available.

### 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.

##### - European waste catalogue

08 01 11	waste paint and varnish containing organic solvents or other dangerous substances
15 01 04	metallic packaging
15 01 11	metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers

##### - Uncleaned packaging:

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

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**SECTION 14: Transport information**

<b>14.1 UN-Number</b>	
· ADR, IMDG, IATA	UN1950
<b>14.2 UN proper shipping name</b>	
· ADR	1950 AEROSOLS,
· IMDG	AEROSOLS
· IATA	AEROSOLS, flammable
<b>14.3 Transport hazard class(es)</b>	
· ADR	
	
· Class	2 5F Gases.
· Label	2.1
· IMDG, IATA	
	
· Class	2.1
· Label	2.1
<b>14.4 Packing group</b>	
· ADR, IMDG, IATA	Void
<b>14.5. Environmental hazards:</b>	
· Marine pollutant:	No
<b>14.6. Special precautions for user</b>	Warning: Gases.
· Danger code (Kemler):	-
· EMS Number:	F-D,S-U
<b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Transport category	2
· Tunnel restriction code	D
· UN "Model Regulation":	UN1950, AEROSOLS, 2.1,

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture** No further relevant information available.

**15.2. Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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### SECTION 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 phrases

H220 Extremely flammable gas.  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H229 Pressurised container: May burst if heated.  
H280 Contains gas under pressure; may explode if heated.  
H 319 Causes serious eye irritation.  
H 336 May cause drowsiness or dizziness.  
EUH066 Repeated exposure may cause skin dryness or cracking.

#### -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)  
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)  
ADR: Accord européen sur le transport 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 Harmonized 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)  
VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)  
VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent  
Flam. Gas 1: Flammable gases, Hazard Category 1 Flam. Aerosol 1: Flammable aerosols, Hazard Category 1  
Press. Gas: Gases under pressure: Compressed gas Flam. Liq. 2: Flammable liquids, Hazard Category 2  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3