

# Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Date of printing: 06.12.2024

Identcode: 1

Revision: 06.12.2024

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

- Trade name: arat Acrylic-Based Spray Paint in RAL colors
- Article number: various article numbers
- Unique formula identifier (UFI): Q6PN-X56E-U000-ADM5

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

- Sector of Use:
  - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
  - SU21 Consumer uses: Private households / general public / consumers
  - SU22 Professional uses: Public domain (administration, education, entertainment, services, crafts)
- Application of the substance / the preparation: color spray

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

WMV Werkzeug Maschinen Katalog Verbund GmbH & Co. KG  
 Grabenstraße 6 - 8  
 D-53359 Rheinbach  
 Tel.: +49 (0) 2226/174-00  
 E-Mail: wmv@wmv-werkzeug.de

Fax: +49 (0) 2226/174-01  
 Internet: www.wmv-werkzeug.de

#### - Further information obtainable from: Herr Blank

Tel.: +49 (0) 2226/174-00

E-Mail: wmv@wmv-werkzeug.de

### 1.4. Emergency telephone number:

Emergency information service

Poison Information Center Freiburg +49 (0) 761/19240

## 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*

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

*EUH018 In use may form flammable/explosive vapour-air mixture.*

*EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.*

#### - 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.*

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

# Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Date of printing: 06.12.2024

Identcode: 1

Revision: 06.12.2024

## arat Acrylic-Based Spray Paint in RAL colors

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.

### 2.3. other hazards


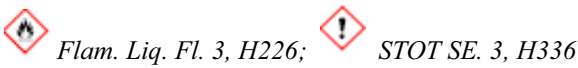

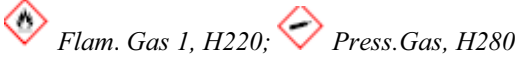
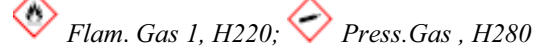
-Results of PBT and vPvB assessment- PBT: Not applicable-vPvB: Not applicable.

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

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

## 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: 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.

# Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Date of printing: 06.12.2024

Identcode: 1

Revision: 06.12.2024

## arat Acrylic-Based Spray Paint in RAL colors

### 5. Fire-fighting 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 Carbon dioxide (CO<sub>2</sub>), carbon monoxide.

#### - Advice for firefighters

#### - Protective equipment: Put on breathing apparatus, do not inhale explosion and fire gases.

### 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.

### 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.

### 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))

# Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Date of printing: 06.12.2024

Identcode: 1

Revision: 06.12.2024

## arat Acrylic-Based Spray Paint in RAL colors

### DNEL's

#### 67-64-1 acetone

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:**

Nitrilkaatschuk or Butylkaatschuk



- **Eye protection:** Tightly sealed goggles

- **Body protection:** Light weight protective clothing

### 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/122°F. 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.

# Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Date of printing: 06.12.2024

Identcode: 1

Revision: 06.12.2024

## arat Acrylic-Based Spray Paint in RAL colors

- **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.

### 10. Stability and reactivity

**10.1. Reactivity** There is no information.

#### **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.

### 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

## Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Date of printing: 06.12.2024

Identcode: 1

Revision: 06.12.2024

### arat Acrylic-Based Spray Paint in RAL colors

## **12. Ecological information**

### **12.1. Toxicity**

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

<b>67-64-1 Aceton</b>	
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)
<b>123-86-4 n-Butylacetat</b>	
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. Endocrine disrupting properties** No information available.

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

## **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.

## Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Date of printing: 06.12.2024

Identcode: 1

Revision: 06.12.2024

### arat Acrylic-Based Spray Paint in RAL colors

#### 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,

#### 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.

# Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

---

**Date of printing:** 06.12.2024

**Identcode:** 1

**Revision:** 06.12.2024

---

## arat Acrylic-Based Spray Paint in RAL colors

---

**Regulation (EU) 2019/1148** of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No. 98/2013

Reportable precursors for explosives according to Annex II:

Substance is listed: Acetone (CAS No. 67-64-1)

### **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 be 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.

**-Department issuing MSDS:** Laboratory department (Quality assurance)

#### **-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