

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: A1 Pigment

Version: 1.1/en

Print date: 20.06.2022

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Commercial Product Name A1 Pigment Orange, A1 Pigment Magenta, A1 Pigment Ochre, A1 Pigment Terracotta, A1 Pigment Blue, A1 Pigment Yellow, A1 Pigment Red, A1 Pigment Green, A1 Pigment Black, A1 Pigment White.

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

Relevant identified uses Coloring of A1 (Acrylic One)

1.3 Details of the supplier of the safety data sheet

Company designation ACT
Nijverheidsweg 15A
3251 LP Stellendam - The Netherlands
Telefoon: +31 (0)187 663006
E-mail: info@acrylicone.com
Internet: www.activecomposite.com

Responsible Department E-mail: info@acrylicone.com

1.4 Emergency telephone number

ACT +31 (0)187 663006

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] The product does not have to be labelled according to Regulation (EC) No. 1272/2008 [CLP].

Further information EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
EUH210: Safety data sheet available on request.

2.3 Other hazards

Particular information pertaining specific risk for human / environment No risks worthy of mention.

Results of PBT and vPvB assessment The components in this formulation do not meet the criteria for classification as PBT or vPvB.

SECTION 3: Composition/information on ingredients***3.2 Mixtures**

Chemical characterization Aqueous pigment dispersion based on nonionic and anionic wetting agents .

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**Information on ingredients**

Ingredient	CAS No.	Classification (EC) 1272/2008	Concentration	Ochre	Black	Blue Orange Terracotta	Magenta	Red	Yellow	Green	White
2-methyl-2H-isothiazool-3-one	CAS-nr.: 2682-20-4 EG-Nr.: 220-239-6 Index-Nr.: 613-326-00-9 REACH-nr.: 01-2120764690-50	Acute Tox. 3; H301 Acute Tox. 2; H330 Skin Corr. 1B; H314 Skin Sens. 1A; H317 Eye Dam. 1; H318 Acute Tox. 3; H311 Aquatic Acute 1; H400 (M=10) Aquatic Chronic 1; H410 (M=1)	< 0.001 % by weight		X						
1,2-Benzisothiazol-3(2H)-one	CAS-nr.: 2634-33-5 EG-Nr.: 220-120-9 Index-Nr.: 613-088-00-6 REACH-nr.: 01-2120761540-60	Acute Tox. 4; H302 Acute Tox. 2; H330 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 (M=1) Aquatic Chronic 2; H411	< 0.05 % by weight	X	X	X	X	X	X	X	X
Polymeer		Skin Irrit. 2; H315	<= 5.0 gew%					X	X		
Polymer of unsaturated fatty amine amides and acidic polyethers		Skin Irrit. 2; H315 Aquatic Chronic 3; H412	1.0 - 2.5 % by weight	X					X		
1,1,1-Trimethylolpropane (TMP)	CAS-nr.: 77-99-6 EG-Nr.: 201-074-9	Repr. 2; H361fd	< 1.0 % by weight								X

Other data

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

General advice

Remove contaminated, saturated clothing immediately

If inhaled

Provide fresh air.

Get medical advice/attention if you feel unwell

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.

If skin irritation or rash occurs: Get medical advice/attention.

In case of eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

If swallowed

Rinse mouth thoroughly with water.

Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No significant reactions of the human body to the product known.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention

Treat symptomatically.



SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product is not flammable.

Co-ordinate fire-fighting measures to the fire surroundings.

Water fog. Extinguishing powder. In case of major fire and large quantities: Water spray jet, alcohol resistant foam.

Extinguishing media which must not be used for safety reasons

Full water jet, Carbon dioxide

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Hazardous decomposition byproducts may form with exposure to high temperatures.

Gases/vapours, corrosive. Gases/vapours, toxic

Nitrogen oxides (NO_x), Carbon dioxide, Carbon monoxide.

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

5.3 Advice for firefighters

Special protective equipment for firefighting

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear personal protection equipment (refer to section 8). Remove persons to safety.

6.2 Environmental precautions

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

Methods for cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated objects and areas thoroughly observing environmental regulations. Do not allow to enter into surface water or drains. Cover drains.

6.4 Reference to other sections

Reference to other sections

See protective measures under point 7 and 8.

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (refer to section 8).

When using do not eat or drink.

Common employment protection rules and the usual precautions for handling chemicals are to be observed.

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

Storage space and container requirements

Keep only in the original container.

The product is sensitive to frost. It should be stored at temperatures above 32 deg. F (0°C).

7.3 Specific end use(s)

Specific use(s)

For the relevant identified uses listed in section 1 the advice in this section 7 is to be observed.

SECTION 8: Exposure controls/personal protection***8.1 Control parameters (Orange, Red, Yellow, Green)**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.1a Eisen(III)oxide (Terracotta)

Great Britain			
Long-term exposure value/ mg/m ³	Short-term exposure value / mg/m ³	Remarks	Source
5	10	(as Fe) , fume	EH40/2005 Workplace exposure limits (2011)
10		total inhalable	EH40/2005 Workplace exposure limits (2011)
4		respirable	EH40/2005 Workplace exposure limits (2011)
5	10	(as Fe) , fume	EH40/2005 Workplace exposure limits (2011)
5	10	fume as Fe	EH40/2005 Workplace exposure limits (2011)
10		inhalable total	EH40/2005 Workplace exposure limits (2011)
4		respirable	EH40/2005 Workplace exposure limits (2011)
10		total inhalable	EH40/2005 Workplace exposure limits (2011)
4		respirable	EH40/2005 Workplace exposure limits (2011)
5	10	(as Fe) , fume	EH40/2005 Workplace exposure limits (2011)

8.1b (Ochre, Blue, Black, White)

Glycerin

Great Britain		
Long-term exposure value/ ppm	Remarks	Source
10	mist	EH40/2005 Workplace exposure limits (2011)

8.1c (Blue)

Bariumsulfat

Great Britain		
Long-term exposure value/ mg/m ³	Remarks	Source
10	inhalable dust	EH40/2005 Workplace exposure limits (2011)

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10	inhalable dust	EH40/2005 Workplace exposure limits (2011)
4	respirable dust	EH40/2005 Workplace exposure limits (2011)
10	inhalable dust	EH40/2005 Workplace exposure limits (2011)

8.1 c (Black)

Carbon Black

Great Britain		
Long-term exposure value/ mg/m ³	Short-term exposure value / mg/m ³	Source
3.5	7	EH40/2005 Workplace exposure limits (2011)
3.5	7	EH40/2005 Workplace exposure limits (2011)

8.1 c (Black, White)

Calcium carbonate

Great Britain		
Long-term exposure value/ mg/m ³	Remarks	Source
10	inhalable dust	EH40/2005 Workplace exposure limits (2011)
4	respirable dust	EH40/2005 Workplace exposure limits (2011)
10	inhalable (total)	EH40/2005 Workplace exposure limits (2011)
4	respirable	EH40/2005 Workplace exposure limits (2011)

8.1 c (White)

Titanium dioxide

Great Britain		
Long-term exposure value/ mg/m ³	Remarks	Source
10	inhalable (total)	EH40/2005 Workplace exposure limits (2011)
10	inhalable (total)	EH40/2005 Workplace exposure limits (2011)
4	respirable	EH40/2005 Workplace exposure limits (2011)
4	respirable	EH40/2005 Workplace exposure limits (2011)
10	inhalable (total)	EH40/2005 Workplace exposure limits (2011)
4	respirable	EH40/2005 Workplace exposure limits (2011)

8.2 Exposure controls

Respiratory protection

Respiratory protection with aerosol/vapour development. Particle filter with medium reserve capability for solid and liquid particles (e.g. EN 143 or 149, type P3 or FFP3).

Hand protection

Chemical proof protective gloves (EN 374) e.g. nitrile rubber (0.4mm), chloroprene rubber (0.5mm), polyvinylchloride (0.7mm), among others. Due to a large variety of types the manufacturer's instructions should be followed.

Eye protection

Wear eye/face protection.

Skin and body protection

Choose bodily protection device depending on operation and possible impact, e.g. apron, protective boots, chemical protection suit (according to EN 14605 for syringes or EN ISO 13982 for dust).

Due to the colouring properties of the product closed work clothes should be used to avoid stains during handling.

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General protective and hygiene measures	In order to prevent contamination while handling, closed working clothes and working gloves should be used. Avoid contact with skin, eyes and clothes. Keep away from food, drink and animal feedingstuffs.
Information on environmental protection regulations	The product is not classified as dangerous for the environment.
Consumer exposure controls	See section 7. No additional measures necessary.
Engineering measures (White, Black, Green)	Aerosolerzeugung/-Bildung: Local exhaust ventilation. Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Other information (chapter 8.)	In the current appearance the product does not contain any respirable dust.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical state	liquid
Colour	orange, red, yellow, blue, green, black, white
Odour	characteristic
Odour threshold	not determined
pH	
Temperature:	20 °C
PH:	6,5 - 8,5
Melting point [°C] / Freezing point [°C]	not determined
Boiling point [°C]	not applicable
Boiling range [°C]	ca. 100 / not determined (Green, Black, White)
Flash point [°C]	not determined
Evaporation rate [kg/(s*m ²)]	not determined
Flammability (solid, gas)	not determined
Explosion limits [Vol-%]	
Lower limit:	not determined
Upper limit:	not determined
Vapour pressure [kPa]	not determined
Density [g/cm ³]	not determined
Water solubility [g/l]	dispersible
Partition coefficient n-octanol /water (log P O/W)	not determined
Autoignition temperature [°C]	not self-igniting / not determined (Black, White)
Autoinflammability	not self-igniting / not determined (Black, White)
Decomposition temperature [°C]	not determined
Viscosity, dynamic [kg/(m*s)]	not determined
Viscosity, kinematic [mm ² /s]	not determined
Risk of explosion.	not explosive
Oxidising properties	The product does not contain substances classified as oxidising.



9.2 Other information

Other data no information available

RUBRIEK 10: Stabiliteit en reactiviteit

10.1 Reactivity

Reactivity No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Hazardous reactions No risks worthy of mention.

10.4 Conditions to avoid

Conditions to avoid No conditions to avoid are known. Not expected based on the composition.

10.5 Incompatible materials

Materials to avoid No incompatible materials known. Not expected based on the composition.

10.6 Hazardous decomposition products

Hazardous decomposition products No hazardous decomposition products if stored and handled as prescribed/indicated. For decomposition products in case of fire refer to section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Oral toxicity [mg/kg]	The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.
Dermal toxicity [mg/kg]	The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.
Inhalative toxicity [mg/l]	The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.
Irritant effect on skin	The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.
Irritant effect on eyes	The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.
Irritant effect on the respiratory tract	The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.
Sensitization	The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.
Carcinogenic effects	The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.
Mutagenicity	The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.
Reproduction toxicity	The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.

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Caustic effect

The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.

Specific target organ toxicity (single exposure)
[mg/kg]

Remarks:

The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.

Specific target organ toxicity (repeated exposure) [mg/kg]

Remarks:

The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.

Aspiration hazard

Substances presenting an aspiration hazard are not contained or below cut-off value, respectively.

11.2 Additional information

Black

Other information (chapter 11.)

Contains: carbon black

In experiments on rats it was found that carbon black might promote the formation of tumors upon inhalation. Many inhalation toxicologists consider this as species-specific mechanism of overloading the lung of rats (particle overload phenomenon). No increase in cancer risk was found in workers exposed to carbon black. According to IARC there is inadequate evidence in humans for the carcinogenicity of carbon black. However, based on experimental animal studies and IARC guidelines the overall evaluation was: "possibly carcinogenic for humans (Group 2B).

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish [mg/l]

Information on ingredients

1,2-Benzisothiazol-3(2H)-one					
Value	Test criterion	Test species	Measuring method	Exposure duration	Source
1,6	LC50:	Oncorhynchus mykiss (Rainbow trout)	OESO 203	96h	Manufacturer data

Toxicity to daphnia [mg/l]

Information on ingredients

1,2-Benzisothiazol-3(2H)-one				
Value	Test criterion	Test species	Measuring method	Source
3,27	EC50	48h	OESO 202	Manufacturer data

Toxicity to algae [mg/l]

Information on ingredients

1,2-Benzisothiazol-3(2H)-one					
Value	Test criterion	Test species	Measuring method	Exposure duration	Source
0,11	EC50	Selenastrum capricornutum	72h	OESO 201	Manufacturer data

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Aquatic toxicity [mg/l]

The product has not been tested. Applying the calculation method available data of the ingredients do not result in classification of the product.

12.2 Persistence and degradability

Biodegradability

No information available.

12.3 Bioaccumulative potential

Bioaccumulation

No information available.

12.4 Mobility in soil

Mobility

No information available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects

Further information on ecology

No information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Disposal considerations

Give to hazard waste collector or bring to special waste collection point. Check for possible recycling. Disposal via wastewater is not recommended.

Uncleaned empty packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning.
Packing which cannot be properly cleaned must be disposed of.**SECTION 14: Transport information***

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	Not applicable.	Not applicable.	Not applicable.
14.2 Description of the goods	Kein Gefahrgut nach ADR	Kein Gefahrgut nach IMDG	Kein Gefahrgut nach IATA
UN proper shipping name		Non dangerous good	Non dangerous good
14.3 Transport hazard class(es)	Not applicable.	Not applicable.	Not applicable.
14.4 Packaging group	Not applicable.	Not applicable.	Not applicable.
14.5 Environmental hazards	Not applicable.	Not applicable.	Not applicable.

14.6 Special precautions for user

Precautions

not applicable

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

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Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Additional regulations

No information available.

References to substance in ordinances, regulations and information sheets

REACH ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES
 Number 3, 70, 75
 Number 50; Contains: Polycyclic-aromatic hydrocarbons (Black)

15.2 Chemical safety assessment

Safety assessment

Mixture related information: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Modifications since last version

Modifications of the previous version are denoted with an asterisk (*).

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)
 PP: Severe Marine Pollutant
 P: Marine Pollutant
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 VCI: Verband der chemischen Industrie, Deutschland (German chemical industry association)
 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)
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)
 VOC: Volatile Organic Compounds (USA, EU)
 ISO: International Organization for Standardization
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent

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Relevant H-phrases

H301: Toxic if swallowed.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H330: Fatal if inhaled.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.
EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Wording of the hazard classes

Skin Irrit.: Skin irritation
Acute Tox.: Acute toxicity
Eye Dam.: Serious eye damage
Skin Sens.: Skin sensitization
Aquatic Acute: Hazardous to the aquatic environment
Aquatic Chronic: Hazardous to the aquatic environment
Skin Corr.: Skin corrosion
Repr.: Reproductive toxicity

Training advice

Workers should be instructed according to the contents of this MSDS. Workers should be trained on the common employment protection rules and the usual precautions when handling chemicals.

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.

DISCLAIMER OF LIABILITY

The information in this (M)SDS was obtained from sources we believe are reliable. However, this information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and maybe beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This (M)SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this (M)SDS may not be acceptable.