

SAFETY DATA SHEET

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

series 14 - HORADAM SQUARELL

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

1.1 Product identifier

Trade name series 14 - HORADAM SQUARELL
Finest artists' water-colours

REACH registration No. ---

UFI ---

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

General use
Products for creation of art.

Uses advised against

1.3 Details of the supplier of the safety data sheet

H. Schmincke & Co. GmbH & Co. KG
Otto-Hahn-Strasse 2
D-40699 Erkrath
Tel +49 (0) 211 - 2509 - 0
Fax +49 (0) 211 - 2509 - 479
info@schmincke.de
www.schmincke.de

Schmincke-lab:
mo-th 8.00-16.30, fr 8.00-13.30
tel. +49 (0) 211-2509-474
sdb@schmincke.de

1.4 Emergency telephone number

Emergencycall Berlin
+49 30-30686700
(24/7 counseling in german and english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

2.2 Label elements

Labelling

Signal word ---

Hazard statements
no hazard labelling required

Safety precautions ---

Text for labelling (CLP)

Contains biocidal products. Contains BIT, CIT, MIT, OIT: May produce an allergic reaction.
Full text of biocides: see section 16.

SECTION 3: Composition/information on ingredients

3.1 Substances

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Chemical characterisation

pigment
gum arabic
Water

CAS-Number ---
EINECS / ELINCS / NLP ---
EU index number ---
Customs tariff number ---
REACH registration No. ---
Hazchem-Code ---
CI-Number ---

3.2 Mixtures

Additional information

Further information: see appendix this safety data sheet.

The product(s) 14102, 14230, 14473, 14481, 14486, 14488, 14670, 14914, 14931, 14935, 14952, 14955, 14974 contain(s) ingredients with a REACH classification causing product labelling. (See separate safety data sheet)

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

If you feel unwell, seek medical advice (show the label where possible).

In case of inhalation

No special measures are required.

In case of skin contact

Thoroughly wash skin with soap and water.
Seek medical attention if irritation persists.

After eye contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Seek medical attention if irritation persists.

After swallowing

Rinse mouth with water. Let water be drunken in little sips (dilution effect).
If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Extinguishing media which must not be used for safety reasons

none

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

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Special protective equipment for firefighters

Additional information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Take up mechanically. Wash spill area with plenty of water.

Additional information

6.4 Reference to other sections

Dispose of waste according to applicable legislation. refer to section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Handle in accordance with good industrial hygiene and safety practice.

Precautions against fire and explosion

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep container tightly closed.

Hints on joint storage

Storage class

Further details

storage temperature: AGW

Protect from moisture contamination.

7.3 Specific end use(s)

No special measures necessary if stored and handled as prescribed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Protect skin by using skin protective cream.

Eye protection

Goggles

Body protection

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Wear suitable protective clothing. Wash contaminated clothing prior to re-use.

General protection and hygiene measures
After work, wash hands and face.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form solid / pasty
Colour pigmented
Odour almost odourless

	min	max		
Melting point/freezing point	---	---		
Initial boiling point and boiling range	---	---		
Flammability		---		
Explosion limits	---	---		
Flash point/flash point range	---	---		
Ignition temperature	---	---		
PH	4	6,5	---	---
Viscosity	---	---	---	---
Solubility		---	---	---
Partition coefficient: n-octanol/water		---		
Vapour pressure		---	---	---
Density and/or relative density		max. 1,25 kg/l	20 °C	---
Relative vapour density	---	---	---	---
Auto-ignition temperature	---	---	---	
Refraction index	---	---	---	

Danger of explosion ---

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

frost and heat

10.5 Incompatible materials

strong acids oxidizing agents Strong alkali

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicokinetics, metabolism and

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distribution

Acute toxicity

No data available

In case of inhalation

No data available

After swallowing

No data available

In case of skin contact

No data available

After eye contact

No data available

Practical experience

General remarks

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Water Hazard Class

2

WGK catalog number

General information

12.2 Persistence and degradability

Further details

Product is partially biodegradable.

Oxygen demand

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

Partition coefficient: n-octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

12.7 Other adverse effects

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number 080112 waste paint and varnish other than those mentioned in 08 01 11

Recommendation

Package

Waste key number ---

Recommendation

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

Additional information

SECTION 14: Transport information

14.1 UN number or ID number

14.2 UN proper shipping name

ADR, ADN No dangerous good in sense of these transport regulations.

IMDG, IATA ---

14.3 Transport hazard class(es)

ADR, ADN ---

IMDG ---

IATA ---

14.4 Packing group

14.5 Environmental hazards

Marine Pollutant - IMDG ---

Marine Pollutant - ADN ---

14.6 Special precautions for user

Land transport (ADR/RID)

Code: ADR/RID ---

Kemmler-number ---

Hazard label ADR ---

Limited quantities ---

Package: Instructions ---

Package: Special Provisions ---

Special provisions for packing together ---

Portable tanks: Instructions ---

Portable tanks: Special Provisions ---

Tank coding ---

Tunnel restriction ---

Remarks ---

EQ ---

Special Provisions ---

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Inland waterway craft (ADN)

Hazard label	---
Limited quantities	---
Transport permitted	---
Equipment necessary	---
Ventilation	---
Remarks	---
EQ	---
Special Provisions	---

Sea transport (IMDG)

EmS	---
Special Provisions	---
Limited quantities	---
Package: Instructions	---
Package: Special Provisions	---
IBC: Instructions	---
IBC: Provisions	---
Tank instructions IMO	---
Tank instructions UN	---
Tank instructions Special Provisions	---
Stowage and segregation	---
Properties and observations	---
Remarks	---
EQ	---

Air transport (IATA-DGR)

Hazard	---
Passenger	---
Passenger LQ	---
Cargo	---
ERG	---
Remarks	---
EQ	---
Special Provisioning	---

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations

Europe

Contents of VOC [%]	0
Contents of VOC	---
[g/L]	
Further regulations, limitations and legal requirements	---

Germany

Storage class	---
Water Hazard Class	2
WGK catalog number	---
Incident regulation	---
Information on working limitations	---

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Further regulations, limitations and legal requirements

Denmark

Further regulations, limitations and legal requirements

Hungary

Further regulations, limitations and legal requirements

Great Britain

Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%]

Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements

Federal Regulations

State Regulations

Japan

Further regulations, limitations and legal requirements

Canada

Further regulations, limitations and legal requirements

15.2 Chemical Safety Assessment

SECTION 16: Other information

Further information

Hazard statements (CLP) ---

Further information

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

Literature

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Reason of change

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Additional information

BIT - 1,2-benzisothiazol-3(2H)-one
CIT - 5-chloro-2-methyl-4-isothiazolin-3-one
MIT - 2-methyl-2H-isothiazol-3-one
OIT - 2-octyl-2H-isothiazol-3-one

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Art. Nr.	Art. Name	C.I.	
14101	titanium opaque white	PW6	titanium dioxide
14205	rutile yellow	PY53	rutil (Ni, Ti, Sb)
14206	titanium yellow	PY53	rutil (Ni, Ti, Sb)
14207	vanadium yellow	PY184	bismuth vanadate
14208	aureolin hue	PY151	benzimidazolone
14209	transparent yellow	PY150	azo-nickel-complex
14211	chromium yellow hue lemon	PY175	benzimidazolone
14212	chromium yellow hue light	PY153; PY155	nickel complex; disazo pigment
14213	chromium yellow hue deep	PY65	monoazo yellow
14214	chromium orange hue	PO62	benzimidazolone
14215	lemon yellow	PY3	monoazo yellow
14216	pure yellow	PY154	benzimidazolone
14217	quinacridone gold hue	PY150; PR101	azo-nickel-complex; iron oxide
14218	transparent orange	PO71	diketo-Pyrrolo-Pyrrole
14219	Turner's yellow	PY216	rutil (Zn, Sn)
14220	Indian yellow	PY110; PY154	isoindulin; benzimidazolone
14221	jaune brilliant dark	PW6; PY53; PBr24	titanium dioxide; rutil (Ni, Ti, Sb); rutil (Ti, Cr, Sb)
14222	yellow orange	PY110	isoindulin
14223	cadmium yellow lemon	PY35	cadmium zinc sulphide
14224	cadmium yellow light	PY35	cadmium zinc sulphide
14225	cadmium yellow middle	PY35	cadmium zinc sulphide
14226	cadmium yellow deep	PY35; PO20	cadmium zinc sulphide; cadmium-sulphoselenide
14227	cadmium orange light	PO20	cadmium-sulphoselenide
14228	cadmium orange deep	PO20	cadmium-sulphoselenide
14229	Naples yellow	PW6; PY53; PBr24	titanium dioxide; rutil (Ni, Ti, Sb); rutil (Ti, Cr, Sb)
14341	geranium red	PR242	disazo condensation
14342	vermilion light	PR188	monoazo red
14343	quinacridone red light	PR207	quinacridone
14344	perylene dark red	PR178	perylene
14346	ruby red deep	PR264	diketo-Pyrrolo-Pyrrole
14347	cadmium red middle	PR108	cadmium-sulphoselenide
14348	cadmium red orange	PO20	cadmium-sulphoselenide
14349	cadmium red light	PR108	cadmium-sulphoselenide
14350	cadmium red deep	PR108	cadmium-sulphoselenide
14351	ruby red	PV19	quinacridone
14352	magenta	PV42	quinacridone
14353	permanent carmine	PV19	quinacridone
14354	madder red dark	PV19; PR179	quinacridone; perylene
14355	transparent red deep	PR144	disazo condensation
14356	rose madder	PR83:1; PR48:4	anthraquinone, Al; BONS, Mn
14357	alizarin crimson	PR83:1	anthraquinone, Al
14358	madder lake deep	PR83:1; PR177	anthraquinone, Al; anthraquinone
14359	Saturn red	PO64	benzimidazolone
14360	permanent red orange	PO62; PR242	benzimidazolone; disazo condensation
14361	permanent red	PR242; PO62	disazo condensation; benzimidazolone
14362	Bordeaux	PR187	naphtol AS
14363	scarlet red	PR254	diketo-Pyrrolo-Pyrrole
14365	vermilion	PR255	diketo-Pyrrolo-Pyrrole
14366	perylene maroon	PR179	perylene
14367	purple magenta	PR122	quinacridone
14368	quinacridone violet	PV19	quinacridone
14369	quinacridone magenta	PR202	quinacridone
14370	potters pink	PR233	silicate (Zn, Cr)
14371	perylene violet	PV29	perylene
14472	quinacridone purple	PV55	quinacridone
14474	manganese violet	PV16	manganese ammonium phosphate
14475	helio turquoise	PB16	phthalocyanine
14476	Schmincke violet	PV23	dioxazine
14477	phthalo sapphire blue	PB15:6	phthalocyanine (Cu)
14479	helio cerulean	PB15:3	phthalocyanine (Cu)
14480	mountain blue	PW5; PB29; PG7	zinc sulphide/barium sulfate; ultramarine blue; phthalocyanine (Cu, Cl)
14482	Delft blue	PB60	indanthrone
14483	cobalt azure	PB35	spinel (Co, Sn)
14484	phthalo blue	PB15:1	phthalocyanine (Cu, Cl)
14485	indigo	PB15:1; PB66	phthalocyanine (Cu, Cl); indigo, synthetic
14487	cobalt blue light	PB28	spinel (Co, Al)
14491	Paris blue	PB15; PB15:1; PB27	phthalocyanine (Cu); phthalocyanine (Cu, Cl); iron-cyan-complex
14492	Prussian blue	PB27	iron-cyan-complex
14493	French ultramarine	PB29	ultramarine blue
14494	ultramarine finest	PB29	ultramarine blue
14495	ultramarine violet	PV15; PB29	ultramarine violet; ultramarine blue
14496	ultramarine blue	PB15; PB29	phthalocyanine (Cu); ultramarine blue
14498	dark blue	PB60	indanthrone

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Art. Nr.	Art. Name	C.I.	
14499	cobalt cerulean	PB36	spinel (Co, Al, Cr)
14509	cobalt turquoise	PG50	spinel (Co, Ni, Ti, Zn)
14510	cobalt green turquoise	PB36	spinel (Co, Al, Cr)
14511	chromium oxide green brilliant	PG18; PG7	hydrated chromium oxide; phthalocyanine (Cu, Cl)
14512	chromium oxide green	PG17	hematite (Cr)
14513	viridian	PG18	hydrated chromium oxide
14514	helio green	PG36	phthalocyanine (Cu, Cl, Br)
14515	olive green	PB15; PG8	phthalocyanine (Cu); metal complex
14516	green earth	PBr7; PG7	earth pigment; phthalocyanine (Cu, Cl)
14519	phthalo green	PG7	phthalocyanine (Cu, Cl)
14521	Hooker's green	PB15:3; PG7; PY42	phthalocyanine (Cu); phthalocyanine (Cu, Cl); hydrated iron oxide
14524	may green	PY151; PG7	benzimidazolone; phthalocyanine (Cu, Cl)
14525	olive green yellowish	PO62; PG36	benzimidazolone; phthalocyanine (Cu, Cl, Br)
14526	permanent green	PY155; PG7	disazo pigment; phthalocyanine (Cu, Cl)
14528	Prussian green	PG7; PB60	phthalocyanine (Cu, Cl); indanthrone
14530	sap green	PY153; PG7	nickel complex; phthalocyanine (Cu, Cl)
14533	cobalt green dark	PG26	spinel (Co, Cr)
14534	permanent green olive	PO62; PG7	benzimidazolone; phthalocyanine (Cu, Cl)
14535	cobalt green pure	PG19	spinel (Co, Zn)
14537	transparent green gold	PY154; PBr7	benzimidazolone; earth pigment
14645	Indian red	PR101; PR206	iron oxide; quinacridone
14648	transparent brown	PBr41	azo condensation
14649	English Venetian red	PR101	iron oxide
14650	spinel brown	PY119	spinel (Zn, Fe)
14651	maroon brown	PBr7	earth pigment
14653	transparent Sienna	PR101	iron oxide
14654	gold brown	PY65; PBr41	monoazo yellow; azo condensation
14655	yellow ochre	PY42	hydrated iron oxide
14656	yellow raw ochre	PY42/PY43	earth pigment
14657	transparent ochre	PY42	hydrated iron oxide
14658	Mars brown	PBr6	iron oxide
14659	titanium gold ochre	PBr24	rutil (Ti, Cr, Sb)
14660	raw Sienna	PBr7/PY43	earth pigment
14661	burnt Sienna	PR101; PBk9	iron oxide; amorphous carbon produced by charring animal bones
14662	sepia brown reddish	PR242; PBr7; PBk9	disazo condensation; earth pigment; amorphous carbon produced by charring animal bones
14663	sepia brown	PB15:1; PBr7; PBk9	phthalocyanine (Cu, Cl); earth pigment; amorphous carbon produced by charring animal bones
14665	green umber	PBr7	earth pigment
14667	raw umber	PBr7/PY42	earth pigment
14668	burnt umber	PBr7	earth pigment
14669	Vandyke brown	PY150; PBr7; PBk7	azo-nickel-complex; earth pigment; lamp black
14671	transparent umber	PR101	iron oxide
14672	mahogany brown	PBr33	spinel (Zn, Fe, Cr)
14780	ivory black	PBk9	amorphous carbon produced by charring animal bones
14781	lamp black	PBk6	lamp black
14782	neutral tint	PR122; PB60; PBk7	quinacridone; indanthrone; lamp black
14783	Schmincke Payne's grey	PR101; PB29; PBk7	iron oxide; ultramarine blue; lamp black
14784	perylene green	PBk31	perylene
14785	neutral grey	PR255; PB60; PO62	diketo-Pyrrolo-Pyrrole; indanthrone; benzimidazolone
14786	anthracite	PBk7	lamp black
14787	Payne's grey bluish	PBk6; PB15:6	lamp black; phthalocyanine (Cu)
14788	graphite grey	PBk10	graphite
14789	hematite black	PG17	hematite (Cr)
14791	Mars black	PBk11	black iron oxide
14893	gold	Effektpigment	pearlescent pigment
14894	silver	Effektpigment	pearlescent pigment
14910	brilliant blue violet	PB29; PV23; Fluo	ultramarine blue; dioxazine; org. daylight pigment
14911	volcano yellow	PY159	silicate (Zr, Pr)
14912	volcano orange	PY159; PR108	silicate (Zr, Pr); cadmium-sulphoselenide
14913	volcano red	PR108	cadmium-sulphoselenide
14915	volcano brown	PR108; PBk11	cadmium-sulphoselenide; black iron oxide
14916	urban yellow	PY159; PV16	silicate (Zr, Pr); manganese ammonium phosphate
14920	brilliant opera rose	PR122; Fluo	quinacridone; org. daylight pigment
14921	desert yellow	PY159; PBr7	silicate (Zr, Pr); earth pigment
14922	desert orange	PY159; PBr33	silicate (Zr, Pr); spinel (Zn, Fe, Cr)
14923	desert brown	PY159; PR108; PBk11	silicate (Zr, Pr); cadmium-sulphoselenide; black iron oxide
14924	desert green	PR108; PG26	cadmium-sulphoselenide; spinel (Co, Cr)
14925	desert grey	PY159; PBk11	silicate (Zr, Pr); black iron oxide
14926	urban red	PY159; PR108; PB35; PBr6	silicate (Zr, Pr); cadmium-sulphoselenide; spinel (Co, Sn); iron oxide
14930	brilliant purple	PR122; Fluo	quinacridone; org. daylight pigment
14932	shire olive	PY159; PB35	silicate (Zr, Pr); spinel (Co, Sn)
14933	shire green	PY159; PG18	silicate (Zr, Pr); hydrated chromium oxide
14934	shire blue	PY159; PB29; PG26	silicate (Zr, Pr); ultramarine blue; spinel (Co, Cr)

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14936	urban green	PY159; PB36; PBk11	silicate (Zr, Pr); spinel (Co, Al, Cr); black iron oxide
14940	brilliant red violet	PV55; Fluo	quinacridone; org. daylight pigment
14941	forest olive	PG18; PY43	hydrated chromium oxide; earth pigment
14942	forest green	PG19; PBr33	spinel (Co, Zn); spinel (Zn, Fe, Cr)
14943	forest blue	PB36; PBk11	spinel (Co, Al, Cr); black iron oxide
14944	forest brown	PG26; PY43	spinel (Co, Cr); earth pigment
14945	forest grey	PBr7; PG50; PBk11	earth pigment; spinel (Co, Ni, Ti, Zn); black iron oxide
14946	urban brown	PY159; PR108; PBk11	silicate (Zr, Pr); cadmium-sulphoselenide; black iron oxide
14951	deep sea violet	PB29; PBr33	ultramarine blue; spinel (Zn, Fe, Cr)
14953	deep sea blue	PG50; PV16; PB29	spinel (Co, Ni, Ti, Zn); manganese ammonium phosphate; ultramarine blue
14954	deep sea green	PG18; PB29	hydrated chromium oxide; ultramarine blue
14956	urban grey	PY159; PR108; PB35; PBk11	silicate (Zr, Pr); cadmium-sulphoselenide; spinel (Co, Sn); black iron oxide
14961	glacier blue	PB29; PG50	ultramarine blue; spinel (Co, Ni, Ti, Zn)
14962	glacier turquoise	PG50; PV16	spinel (Co, Ni, Ti, Zn); manganese ammonium phosphate
14963	glacier green	PR233; PG50	silicate (Zn, Cr); spinel (Co, Ni, Ti, Zn)
14964	glacier brown	PBr6; PG26	iron oxide; spinel (Co, Cr)
14965	glacier black	PBk11; PB35	black iron oxide; spinel (Co, Sn)
14966	haze pink	PR233; PB36	silicate (Zn, Cr); spinel (Co, Al, Cr)
14967	haze blue	PY43; PB29; PBr7	earth pigment; ultramarine blue; earth pigment
14968	haze indigo	PB29; PG26; PBr33	ultramarine blue; spinel (Co, Cr); spinel (Zn, Fe, Cr)
14969	haze brown	PBr7; PBk11	earth pigment; black iron oxide
14970	haze black	PG36; PBr33; PBk11	phthalocyanine (Cu, Cl, Br); spinel (Zn, Fe, Cr); black iron oxide
14971	galaxy rose	PV16; PBr33	manganese ammonium phosphate; spinel (Zn, Fe, Cr)
14972	galaxy violet	PR233; PB29	silicate (Zn, Cr); ultramarine blue
14973	galaxy blue	PG50; PB29	spinel (Co, Ni, Ti, Zn); ultramarine blue
14975	galaxy black	PBk11; PB29	black iron oxide; ultramarine blue
14981	tundra orange	PR233; PY43	silicate (Zn, Cr); earth pigment
14982	tundra pink	PB29; PR233	ultramarine blue; silicate (Zn, Cr)
14983	tundra violet	PB29; PBr6	ultramarine blue; iron oxide
14984	tundra blue	PB29; PBr7	ultramarine blue; earth pigment
14985	tundra green	PBr6; PG19	iron oxide; spinel (Co, Zn)