

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

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

1.1. Product identifier

Hesse 2C HYDRO Pigment filler HDP 5640-9343

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

Use of the substance/preparation

Surface treatment of wood and other materials

Identified Uses

	REACHSET 1000
SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC5	Industrial use resulting in inclusion into or onto a matrix
PROC7	Industrial spraying

	REACHSET 2001
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
PROC11	Non industrial spraying

1.3. Details of the supplier of the safety data sheet

Manufacturer

Hesse GmbH & Co. KG
Warendorfer Strasse 21
59075 Hamm (Germany)
Telephone no. +49 (0) 2381 963-00
Fax no. +49 (0) 2381 963-849
E-mail address ps@hesse-lignal.de

1.4. Emergency telephone number

Germany: +49 (0) 2381 788-612

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Supplemental information

EUH210 Safety data sheet available on request.

2.3. Other hazards

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

2-dimethylaminoethanol

CAS No. 108-01-0

EINECS no. 203-542-8

Registration no. 01-2119492298-24

Concentration \geq 0,1 < 1 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3 H226

Acute Tox. 3 H331

Route of exposure: Inhalation
exposure

Acute Tox. 4 H312

Route of exposure: Dermal exposure

Acute Tox. 4 H302

Route of exposure: Oral exposure

Skin Corr. 1B H314

STOT SE 3 H335

Respiratory tract

Concentration limits (Regulation (EC) No. 1272/2008)

STOT SE 3 H335 \geq 5

ATE Inhalation exposure, Dust/Mist 0,5 mg/l

Further ingredients

ethanol

CAS No. 64-17-5

EINECS no. 200-578-6

Registration no. 01-2119457610-43

Concentration \geq 1 < 10 %

Advice: [3]

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225

Note

[3] Substance with occupational exposure limits

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from danger area, lay him down. In all cases of doubt, or when symptoms persist, seek medical attention. Get medical advice/attention if you feel unwell. First aider: Pay attention to self-protection!

After inhalation

When spray fog inhaled, seek medical aid.

After skin contact

Wash off immediately with soap and water. Do NOT use solvents or thinners. Consult a doctor if skin irritation persists.

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. Take medical treatment.

After ingestion

Do not induce vomiting. Take medical treatment.

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

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

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

Hints for the physician / treatment

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO₂, powders, water spray/mist

Non suitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Fire will produce dense black smoke. In a fire, hazardous decomposition products may be produced. Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion evolution of dangerous gases possible. Use self-contained breathing apparatus.

Other information

Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water. Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale vapours. Do not inhale gases. Do not inhale mist.

6.2. Environmental precautions

Do not allow to enter drains or waterways. Do not allow to enter soil, waterways or waste water canal. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Do NOT use solvents or thinners. Send in suitable containers for recovery or disposal.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed and dry in a cool, well-ventilated place. Avoid contact with skin and eyes. Avoid inhalation of vapour and spray mist. Do not eat, drink or smoke when using this product. Use personal protective clothing. For personal protection see Section 8.

Advice on protection against fire and explosion

Fight fire with normal precautions from a reasonable distance.

7.2. Conditions for safe storage, including any incompatibilities

Storage stability

Protect from frost.

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hints on storage assembly

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Storage classes

Storage class according to TRGS 510 10 Flammable liquids

Further information on storage conditions

Keep away from heat. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in accordance with the particular national regulations.

7.3. Specific end use(s)

See exposure scenario, if available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

ethanol

List	EH40			
Value	1920	mg/m ³	1000	ppm(V)
Status:	01/2020			

Other information

-

Derived No/Minimal Effect Levels (DNEL/DMEL)

ethanol

Type of value	Derived No Effect Level (DNEL)			
Reference group	Workers (industrial)			
Duration of exposure	Short-term			
Route of exposure	inhalative			
Mode of action	Local effects			
Concentration	1900			mg/m ³

Type of value	Derived No Effect Level (DNEL)			
---------------	--------------------------------	--	--	--

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	343	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	960	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short-term	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	960	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	206	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	114	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	Oral exposure	
Mode of action	Systemic effects	
Concentration	87	mg/kg/d

2-dimethylaminoethanol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	0,25	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Long-term	
Route of exposure	inhalative	

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

Mode of action	Systemic effects	
Concentration	1,76	mg/m ³

Type of value	Derived No Effect Level (DNEL)
---------------	--------------------------------

Reference group	Consumer
-----------------	----------

Duration of exposure	Long-term
----------------------	-----------

Route of exposure	inhalative
-------------------	------------

Mode of action	Systemic effects
----------------	------------------

Concentration	0,43	mg/m ³
---------------	------	-------------------

Type of value	Derived No Effect Level (DNEL)
---------------	--------------------------------

Reference group	Workers (industrial)
-----------------	----------------------

Duration of exposure	Short-term
----------------------	------------

Route of exposure	inhalative
-------------------	------------

Mode of action	Systemic effects
----------------	------------------

Concentration	5,28	mg/m ³
---------------	------	-------------------

Type of value	Derived No Effect Level (DNEL)
---------------	--------------------------------

Reference group	Workers (industrial)
-----------------	----------------------

Duration of exposure	Short-term
----------------------	------------

Route of exposure	inhalative
-------------------	------------

Mode of action	Local effects
----------------	---------------

Concentration	13,53	mg/m ³
---------------	-------	-------------------

Type of value	Derived No Effect Level (DNEL)
---------------	--------------------------------

Reference group	Workers (industrial)
-----------------	----------------------

Duration of exposure	Short-term
----------------------	------------

Route of exposure	Dermal exposure
-------------------	-----------------

Mode of action	Systemic effects
----------------	------------------

Concentration	1,2	mg/kg
---------------	-----	-------

Type of value	Derived No Effect Level (DNEL)
---------------	--------------------------------

Reference group	Workers (industrial)
-----------------	----------------------

Duration of exposure	Short-term
----------------------	------------

Route of exposure	Dermal exposure
-------------------	-----------------

Mode of action	Local effects
----------------	---------------

Concentration	0,1	mg/cm ²
---------------	-----	--------------------

Type of value	Derived No Effect Level (DNEL)
---------------	--------------------------------

Reference group	Consumer
-----------------	----------

Duration of exposure	Long-term
----------------------	-----------

Route of exposure	Oral exposure
-------------------	---------------

Mode of action	Systemic effects
----------------	------------------

Concentration	0,126	mg/kg
---------------	-------	-------

Predicted No Effect Concentration (PNEC)

ethanol

Type of value	PNEC
---------------	------

Type	Freshwater
------	------------

Concentration	0,96	mg/l
---------------	------	------

Type of value	PNEC
---------------	------



Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

Type	marine water		
Concentration	0,79		mg/l
Type of value	PNEC		
Conditions	sporadic release		
Concentration	2,75		mg/l
Type of value	PNEC		
Type	Sewage treatment plant (STP)		
Concentration	580		mg/l
Type of value	PNEC		
Type	Fresh water sediment		
Concentration	3,6		mg/kg
Type of value	PNEC		
Type	saltwater sediment		
Concentration	2,9		mg/kg
Type of value	PNEC		
Type	Soil		
Concentration	0,63		mg/kg
2-dimethylaminoethanol			
Type of value	PNEC		
Type	Freshwater		
Concentration	0,066		mg/l
Type of value	PNEC		
Type	Saltwater		
Concentration	0,004		mg/l
Type of value	PNEC		
Conditions	sporadic release		
Concentration	0,0661		mg/l
Type of value	PNEC		
Type	Fresh water sediment		
Concentration	0,246		mg/kg
Type of value	PNEC		
Type	Soil		
Concentration	0,01		mg/kg
Type of value	PNEC		
Type	Sewage treatment plant (STP)		
Concentration	10		mg/l
Type of value	PNEC		
Type	saltwater sediment		
Concentration	0,015		mg/kg

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

8.2. Exposure controls

Exposure controls

Users are advised to consider national Occupational Exposure Limits or other equivalent values. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

Respiratory protection

Avoid inhalation of vapour and spray mist. Use breathing apparatus if exposed to vapours/dust/aerosol. Recommended Filter type: Respiratory protection mask with combination filter A/P2

Hand protection

Protective gloves complying with EN 374.

Glove material

Appropriate Material butyl-rubber

Material thickness \geq 0,5 mm

Breakthrough time \geq 120 min

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

The breakthrough time must be greater than the end use time of the product.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Eye protection

Safety glasses with side-shields conforming to EN166

Body protection

Wear suitable protective clothing. Remove contaminated clothing and wash it before reuse. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid

Colour white

Odour characteristic

Melting point

Remarks not determined

Freezing point

Remarks not determined

Boiling point or initial boiling point and boiling range

Value 78 to 173 °C

Flammability

not determined

Upper and lower explosive limits

Remarks not determined

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

Flash point

Value > 60 °C

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

pH value

Value 8,6
Concentration/H₂O 100
Remarks Not applicable

Viscosity

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Remarks not determined

Density and/or relative density

Value appr. 1,377 kg/l
Temperature 20 °C

Relative vapour density

Remarks not determined

Particle characteristics

Remarks not determined

9.2. Other information

Odour threshold

Remarks not determined

Solubility in water

Remarks not determined

Efflux time

Value 67 to 83 s
Temperature 20 °C
Method DIN 53211 4 mm

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

Non-volatile content

Value 59,7 %
Method calculated value

SECTION 10: Stability and reactivity

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

10.1. Reactivity

Stable under recommended storage and handling conditions (see section 7).

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

To avoid thermal decomposition, do not overheat.

10.4. Conditions to avoid

Isolate from sources of heat, sparks and open flame.

10.5. Incompatible materials

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, nitrous oxides (NOx), dense black smoke, No decomposition if used as prescribed.

SECTION 11: Toxicological information

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

Acute oral toxicity

Method Calculation method (Regulation (EC) No. 1272/2008)
Remarks Based on available data, the classification criteria are not met.

Acute oral toxicity (Components)

2-dimethylaminoethanol

Species	rat		
LD50	1183		mg/kg
Method	OECD 401		

Acute dermal toxicity

Method Calculation method (Regulation (EC) No. 1272/2008)
Remarks Based on available data, the classification criteria are not met.

Acute dermal toxicity (Components)

2-dimethylaminoethanol

Species	rabbit		
LD50	1219		mg/kg

Acute inhalational toxicity

ATE	> 20		mg/l
Administration/Form	Dust/Mist		
Method	calculated value (Regulation (EC) No. 1272/2008)		
Remarks	Based on available data, the classification criteria are not met.		

Acute inhalative toxicity (Components)

2-dimethylaminoethanol

Species	rat		
LC50	0,5		mg/l
Duration of exposure	4	h	
Administration/Form	Dust/Mist		
Method	conversion value		

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

Skin corrosion/irritation

Method Calculation method (Regulation (EC) No. 1272/2008)
Remarks Based on available data, the classification criteria are not met.

Skin corrosion/irritation (Components)

2-dimethylaminoethanol

Species rabbit

Serious eye damage/irritation

Method Calculation method (Regulation (EC) No. 1272/2008)
Remarks Based on available data, the classification criteria are not met.

Serious eye damage/irritation (Components)

2-dimethylaminoethanol

Sensitization

Method Calculation method (Regulation (EC) No. 1272/2008)
Remarks Based on available data, the classification criteria are not met.

Mutagenicity

Method Calculation method (Regulation (EC) No. 1272/2008)
Remarks Based on available data, the classification criteria are not met.

Reproductive toxicity

Method Calculation method (Regulation (EC) No. 1272/2008)
Remarks Based on available data, the classification criteria are not met.

Carcinogenicity

Method Calculation method (Regulation (EC) No. 1272/2008)
Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)

Single exposure

Method Calculation method (Regulation (EC) No. 1272/2008)
Remarks Based on available data, the classification criteria are not met.

Repeated exposure

Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) (Components)

2-dimethylaminoethanol

Specific target organ toxicity - single exposure

evaluation May cause respiratory irritation.
Route of exposure inhalative
Organs: Respiratory tract

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Other information

No toxicological data are available.

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

SECTION 12: Ecological information

12.1. Toxicity

General information

For this subsection there is no ecotoxicological data available on the product as such.

12.2. Persistence and degradability

General information

For this subsection there is no ecotoxicological data available on the product as such.

12.3. Bioaccumulative potential

General information

For this subsection there is no ecotoxicological data available on the product as such.

Partition coefficient n-octanol/water (log value)

Remarks not determined

12.4. Mobility in soil

General information

For this subsection there is no ecotoxicological data available on the product as such.

Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

General information

For this subsection there is no ecotoxicological data available on the product as such.

Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

For this subsection there is no ecotoxicological data available on the product as such.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

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

EWC waste code 200127 - paint, inks, adhesives and resins containing
dangerous substances

Where possible recycling is preferred to disposal or incineration.

Do not allow to enter drains or waterways.

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

modified product

EWC waste code 080115 - aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances

Dried residues

EWC waste code 080112 - waste lacquers and waste paint except those falling under 080111

Disposal recommendations for packaging

EWC waste code 150110 - packaging containing residues of or contaminated by dangerous substances
Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	Not classified as dangerous in the meaning of transport regulations.	Not classified as dangerous in the meaning of sea and air transport regulations.	Not a dangerous substance as defined in the above regulations.

SECTION 15: Regulatory information

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

VOC

VOC (EU) 2,5 % 35 g/l

SECTION 16: Other information

Hazard statements listed in Chapter 3

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.

CLP categories listed in Chapter 3

Acute Tox. 3 Acute toxicity, Category 3
Acute Tox. 4 Acute toxicity, Category 4
Flam. Liq. 3 Flammable liquid, Category 3
Skin Corr. 1B Skin corrosion, Category 1B
STOT SE 3 Specific target organ toxicity - single exposure, Category 3

Abbreviations

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)

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

ICAO-TI - Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS - Globally Harmonized System of Classification and Labelling of Chemicals

EINECS - European Inventory of Existing Commercial Chemical Substances

CAS - Chemical Abstracts Service (division of the American Chemical Society)

GefStoffV - Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL - Lowest Observed Adverse Effect Level

LOEL - Lowest Observed Effect Level

NOAEL - No Observed Adverse Effect Level

NOEC - No Observed Effect Concentration

NOEL - No Observed Effect Level

OECD - Organisation for Economic Cooperation and Development

VOC - Volatile Organic Compounds

Changes since the last version are highlighted in the margin (***). This version replaces all previous versions.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.

Annex to the extended Safety Data Sheet (eSDS)

Short title of the exposure scenario

ES017 - Industrial applications: industrial spraying (inside)

Use of the substance/preparation

Surface treatment of wood and other materials

Use

SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC5	Industrial use resulting in inclusion into or onto a matrix
PROC7	Industrial spraying

Contributing exposure scenario controlling environmental exposure

Use

ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
------	--

ERC5	Industrial use resulting in inclusion into or onto a matrix
------	---

Physical form liquid

Maximum amount used per time or activity

Emission days per site: <= 300

Other relevant operational conditions

Use: Room temperature

Drying and through-curing takes place at ambient temperature or at higher temperatures.

Curing takes place through UV light exposure (only with UV light curing systems).

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

Where possible recycling is preferred to disposal or incineration.
Do not allow to enter soil, waterways or waste water canal.
Dispose of rinse water in accordance with local and national regulations.

Waste water

Do not discharge into the drains/surface waters/groundwater. Spray cabin waters are to be conducted after mechanical pretreatment into a wastewater treatment facility.

Exhaust air

Keep container closed. Avoid release to the environment.

Soil

Floors should be impervious, resistant to liquids and easy to clean.

Disposal recommendations for the product

EWC waste code 080111 - waste paint and varnish containing organic solvents or other dangerous substances
200127 - paint, inks, adhesives and resins containing dangerous substances

Where possible recycling is preferred to disposal or incineration.
Do not allow to enter drains or waterways.

modified product

EWC waste code 080115 - aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances

Dried residues

EWC waste code 080112 - waste lacquers and waste paint except those falling under 080111

Disposal recommendations for packaging

EWC waste code 150110 - packaging containing residues of or contaminated by dangerous substances

Completely emptied packagings can be given for recycling.

Contributing exposure scenario controlling worker exposure

Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
PROC7 Industrial spraying

Physical form

liquid

Maximum amount used per time or activity

Duration of exposure	<=	8	h/d
Frequency of exposure	<=	220	d/a

Other relevant operational conditions

Use: Room temperature
Drying and through-curing takes place at ambient temperature or at higher temperatures.
Curing takes place through UV light exposure (only with UV light curing systems).
Read attached instructions before use.

Product substance and product safety related measures

Mainly used in closed systems. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

Respiratory protection

Avoid inhalation of vapour and spray mist. Use breathing apparatus if exposed to vapours/dust/aerosol.
Recommended Filter type: Respiratory protection mask with combination filter A/P2

Hand protection

Protective gloves complying with EN 374.

Glove material

Appropriate Material butyl-rubber

Material thickness \geq 0,5

Breakthrough time \geq 120

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

The breakthrough time must be greater than the end use time of the product.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Eye protection

Safety glasses with side-shields conforming to EN166

Body protection

Wear suitable protective clothing. Remove contaminated clothing and wash it before reuse. Wash hands before breaks and after work.

Information on estimated exposure and downstream-user guidance

Guidance for Downstream Users

The downstream user can evaluate whether he operates within the conditions set in the exposure scenario on the basis of the information supplied. This evaluation can be conducted by an expert or using the risk assessment tools recommended by ECHA.

Annex to the extended Safety Data Sheet (eSDS)

Short title of the exposure scenario

ES019 - Professional uses: Non industrial spraying (inside)

Use of the substance/preparation

Surface treatment of wood and other materials

Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

ERC8a Wide dispersive indoor use of processing aids in open systems

ERC8c Wide dispersive indoor use resulting in inclusion into or onto a matrix

PROC11 Non industrial spraying

Contributing exposure scenario controlling environmental exposure

Use

ERC8a Wide dispersive indoor use of processing aids in open systems

ERC8c Wide dispersive indoor use resulting in inclusion into or onto a matrix

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

Physical form liquid

Maximum amount used per time or activity

Emission days per site: <= 250

Other relevant operational conditions

Use: Room temperature

Drying and through-curing takes place at ambient temperature or at higher temperatures.

Curing takes place through UV light exposure (only with UV light curing systems).

Where possible recycling is preferred to disposal or incineration.

Do not allow to enter soil, waterways or waste water canal.

Dispose of rinse water in accordance with local and national regulations.

Waste water

Do not discharge into the drains/surface waters/groundwater.

Exhaust air

Keep container closed. Avoid release to the environment.

Soil

Floors should be impervious, resistant to liquids and easy to clean.

Disposal recommendations for the product

EWC waste code 080111 - waste paint and varnish containing organic solvents or other dangerous substances
200127 - paint, inks, adhesives and resins containing dangerous substances

Where possible recycling is preferred to disposal or incineration.

Do not allow to enter drains or waterways.

modified product

EWC waste code 080115 - aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances

Dried residues

EWC waste code 080112 - waste lacquers and waste paint except those falling under 080111

Disposal recommendations for packaging

EWC waste code 150110 - packaging containing residues of or contaminated by dangerous substances

Completely emptied packagings can be given for recycling.

Contributing exposure scenario controlling worker exposure (professional)

Short title of the exposure scenario

Substance number:CES038

Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

PROC11 Non industrial spraying

Physical form liquid

Maximum amount used per time or activity

Duration of exposure <= 8 h/d

Frequency of exposure <= 220 d/a

Trade name: Hesse 2C HYDRO Pigment filler HDP 5640-9343

Version: 34 / GB

Revision: 18.01.2023

Replaces Version: 33 / GB

Print date: 20.06.23

Other relevant operational conditions

Use: Room temperature

Drying and through-curing takes place at ambient temperature or at higher temperatures.

Curing takes place through UV light exposure (only with UV light curing systems).

Read attached instructions before use.

Product substance and product safety related measures

Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

Respiratory protection

Avoid inhalation of vapour and spray mist. Use breathing apparatus if exposed to vapours/dust/aerosol.

Recommended Filter type: Respiratory protection mask with combination filter A/P2

Hand protection

Protective gloves complying with EN 374.

Glove material

Appropriate Material butyl-rubber

Material thickness \geq 0,5

Breakthrough time \geq 120

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

The breakthrough time must be greater than the end use time of the product.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Eye protection

Safety glasses with side-shields conforming to EN166

Body protection

Wear suitable protective clothing. Remove contaminated clothing and wash it before reuse. Wash hands before breaks and after work.

Information on estimated exposure and downstream-user guidance

Guidance for Downstream Users

The downstream user can evaluate whether he operates within the conditions set in the exposure scenario on the basis of the information supplied. This evaluation can be conducted by an expert or using the risk assessment tools recommended by ECHA.