

Gamblin

Conservation Colors

SECTION 1: Identification

Product identifier

Trade name

Gamblin Conservation Colors

Name of the chemical

The safety data sheet applies to Gamblin Conservation Colors which are any of the following colors: Alizarin Permanent. Black Spinel. Brown Madder Alizarin. Burnt Sienna. Burnt Umber. Cerulean Blue. Chromium Oxide Green. Cobalt Blue. Cobalt Green. Cobalt Violet. Dioxazine Purple. Dragon's Blood. Extender White. Greenish Umber. Hansa Yellow Med. Indian Yellow Permanent. Indian Red. Ivory Black. Lamp Black. Manganese Blue Hue. Mars Orange. Naples Yellow Dp. Naples Yellow Lt. Permanent Green. Phthalo Blue. Phthalo Green. Prussian Blue. Quinacridone Red. Raw Sienna. Raw Umber. Sap Green Permanent. Titanium Buff. Titanium White. Transparent Earth Brown. Transparent Earth Orange. Transparent Earth Red. Transparent Earth Yellow. Ultramarine Blue. Van Dyke Brown Permanent. Ultramarine Violet. Venetian Red. Viridian. Yellow Ochre. Cadmium Lemon Yellow. Cadmium Orange. Cadmium Red Lt. Cadmium Red Med. Cadmium Yellow Lt. Cadmium Yellow Med.

Recommended use of the chemical and restrictions on use

Product type

Inpainting color.

Use

Fine art restoration and conservation by trained professionals.

Not suitable for use in

No further relevant information available.

Supplier's details

SDS created by

Lennart Schönknecht

Gamblin Conservation Colors

Manufacturer

Gamblin Conservation Colors A brand of Färg GmbH & CoKG

Address

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97520 Roethlein
Germany

Telephone

+49 (0)1624087037

Email

info@conservationcolors.com

Web site

www.conservationcolors.com

Emergency phone number

Call 1-800-535-5053.

Available outside office hours

Yes

SECTION 2: Hazard identification

Classification of the substance or mixture and any national or regional information

Classification according to Regulation (US HCS) 29 CFR 1910.1200

Classification

Flammable liquids, hazard category 3

Hazard statements

H226

Label elements, including precautionary statements

Labeling according to Regulation (US HCS) 29 CFR 1910.1200

Hazard pictograms



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Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

More information

Package ≤ 125 ml: Standard Hazard and Precautionary statements may be omitted.

Other hazards which do not result in classification

Not Classified as PBT/vPvB by current EU criteria.

SECTION 3: Composition/information on ingredients

Mixture

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Specific concentra- tion limits ATE	Note
Binder	- - - -	25 - 50%	-	- - -		Not classi- fied.
Hydrocarbons, C10- C13, n-alkanes, iso- alkanes, cyclics aro- matics < 2%	64742-48-9 918-481-9 01-2119457273- 39-xxxx 649-327-00-6	10 - 30%	Asp. Tox. 1	H304 - -		Substance with occu- pational exposure limit values.
2-methoxy-1-methyl- ethyl acetate	108-65-6 203-603-9 01-2119475791- 29-xxxx 607-195-00-7	10 - 30%	Flam. Liq. 3	H226 - -		
Pigment and filler	- - - -	0 - 15%	-	- - -		Not classi- fied.
Cadmium sulfoselenide red (CI Pigment Red	58339-34-7 261-218-1	0 - 10%	-	- -		Not classi- fied. Sub-

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Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrases M factor acute M factor chronic	Specific concentration limits ATE	Note
108)	01-2119981636-24-0001 -			-		stance with occupational exposure limit values.
Cadmium sulfoselenide Orange (CI Pigment Orange 20)	12656-57-4 235-758-3 01-2119981636-24-0001 -	0 - 10%	-	- - -		Not classified. Substance with occupational exposure limit values.
Cadmium zinc sulphide yellow (CI Pigment Yellow 35)	8048-07-5 232-466-8 01-2119981639-18-0001 -	0 - 10%	-	- - -		Not classified. Substance with occupational exposure limit values.
Titanium Dioxide	13463-67-7 236-675-5 01-2119489379-17-0000 022-006-00-2	0 - 10%	-	- - -		Not classified. Substance with occupational exposure limit values.

Product based on

The product also contains binders, fillers and pigments classified as non-hazardous chemical products.

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Substance additional information

Additional information about colors containing cadmium pigments:

Cadmium pigments are much less hazardous than other cadmium compounds as they are extremely insoluble. This greatly reduces the risk of migration from applications, bioavailability and absorption of cadmium into the body and greatly reduces their environmental hazard.

Note 1: Regulation (EC) No 1272/2008 (CLP Regulation) - Annex VI Table 3.1 of the CLP Regulation provides a list of hazardous substances with GHS harmonised classification and labelling. As stated under Index Number 048-001-00-5, cadmium pigments are specifically exempt from the listed classification and labelling. A risk assessment of these products conducted by the EU in 2002 concluded that they offer no significant hazard to either human health or to the environment. Subsequent REACH registration has confirmed that no hazard classifications apply.

Note 2: Cadmium sulfoselenide red (CI Pigment Red 108) and Cadmium sulfoselenide orange (CI Pigment Orange 20) have the same basic chemical structure and have been covered in a single registration dossier. For EU-REACH administrative purposes, these entries have been assigned as UVCB (Variable Composition) with hexagonal structure and given an alternative EC number of 701-229-5. The compositional formula is $CdS_{1-x}Se_x$ where $x=0.001 - 0.25$.

Note 3: Cadmium zinc sulphide yellow (CI Pigment Yellow 35) – For EU-REACH administrative purposes, this entry has been assigned as UVCB (Variable Composition) with hexagonal structure and given an alternative EC number of 701-227-4. The compositional formula is $Cd_{1-x}Zn_xS$ where $x=0.001 - 0.46$.

The product is viscous and is therefore not classified as H304. For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First-aid measures

Description of necessary first-aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.

Skin contact

Wash skin thoroughly with soap and water. Contact physician if irritation continues.

Eye contact

Hold eyelids apart. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth with water. Give a couple of glasses of water, provided the victim is fully conscious. Contact physician if larger quantity has been consumed.

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Most important symptoms/effects, acute and delayed

No symptoms known.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media

In case of fire: Use alcohol resistant foam, carbon dioxide, dry powder or water fog to extinguish.

Unsuitable extinguishing media

Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products).

Flammable liquid and vapour. Solvent vapors may form explosive mixtures with air. Vapors are heavier than air and may spread near ground to sources of ignition.

Clothing contaminated with the product poses a fire hazard.

Hazardous combustion products: Carbon monoxide (CO). Carbon dioxide (CO₂).

Special protective actions for fire-fighters

Special protective equipment for fire-fighters

Wear respiratory protection independent of ambient air. Wear full protective clothing.

Other

Cool containers exposed to flames with water until well after the fire is out. Dike and collect extinguishing water.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Well-ventilated area. Keep people away from danger area. Remove sources of ignition. Take precautionary measures against static discharge. Avoid contact with eyes, skin and clothing. Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Prevent spillage entering a watercourse or sewer, contaminating soil or vegetation.

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Methods and materials for containment and cleaning up

Methods for containment: Dam and absorb spillages with sand, earth or other non-combustible material.

Spill Cleanup Methods: Shovel into dry containers. Cover and move the containers. Flush the area with water.

Dispose of contents/container as hazardous waste.

Reference to other sections

For personal protection, see section 8.

For waste disposal, see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Preventive handling precautions

Ventilate well. The usual precautions when handling chemicals should be observed. Remove sources of ignition.

General hygiene

Avoid contact with skin and eyes. Avoid inhalation of vapors. Wash hands before breaks and before smoking, eating or drinking. Avoid eating, drinking and smoking when using the product. Wear protective clothing as described in Section 8 of this safety data sheet.

Conditions for safe storage, including any incompatibilities

Flammable liquid storage. Follow rules for flammable liquids. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from sources of ignition. Stored as flammable a product. For safety reasons in case of fire, cans should be stored separately in closed containments.

Storage temperature: 5 - 15 °C

Conditions to avoid: Strong oxidizing substances, strong acids and strong bases.

Specific end use(s)

No further relevant information available.

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SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits

Cadmium sulphide and cadmium sulphide pigments (respirable dust (as Cd))ACGIH TLV: TWA: 0.01 mg/m³. TWA: 0.002 mg/m³. IDLH: 9 mg/m³.

Indicative occupational exposure limit values within EU:

2-methoxy-1-methylethyl acetate (EU): TWA 50 ppm / 275 mg/m³. STEL: 100 ppm / 550 mg/m³.

Source: 2000/39/EC

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Short-term exposure limit ppm / mg/m ³	Source	Remark	Year
Hydrocarbons, C10- C13, n-alkanes, iso-alkanes, cyclics aromatics < 2%	64742-48-9 918-481-9	100 / 566	150 / 850	EH40/2005 WELs (United Kingdom (UK), 8/2007)	Form: Vapour.	-
Hydrocarbons, C10- C13, n-alkanes, iso-alkanes, cyclics aromatics < 2% (EU)	64742-48-9 918-481-9	- / 4	- / -	EH40/2005	Respirable fraction	-
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9	50 / -	- / -	US WEEL	AIHA - Occupational Exposure Limits	-
Titanium Dioxide	13463-67-7 236-675-5	- / 5	- / -	OSHA Table Z-3 (29 CFR 1910.1000)	Respirable fraction	-
Titanium Dioxide	13463-67-7 236-675-5	- / 15	- / -	OSHA Table Z-3 (29 CFR 1910.1000)	Total dust	-
Titanium Dioxide	13463-67-7 236-675-5	- / 10	- / -	ACGIH Threshold Limit Values Components		-
Titanium Dioxide (EU)	13463-67-7 236-675-5	- / 10	- / -	EH40/ 2005	i = inhalable fraction	-
Titanium Dioxide (EU)	13463-67-7 236-675-5	- / 4	- / -	EH40/ 2005	r = respirable frac- tion	-

DNEL/DMEL

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Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
Hydrocarbons, C10- C13, n-alkanes, iso-alkanes, cyclics aromatics < 2% (64742-48-9/918-481-9)	DNEL	Chronic (long term) Inhalation	1.9 mg/m³	Workers	Systemic
Hydrocarbons, C10- C13, n-alkanes, iso-alkanes, cyclics aromatics < 2% (64742-48-9/918-481-9)	DNEL	Acute (short term) Inhalation	1286.4 mg/m³	Workers	Systemic
Hydrocarbons, C10- C13, n-alkanes, iso-alkanes, cyclics aromatics < 2% (64742-48-9/918-481-9)	DNEL	Chronic (long term) Inhalation	837.5 mg/m³	Workers	Local
Hydrocarbons, C10- C13, n-alkanes, iso-alkanes, cyclics aromatics < 2% (64742-48-9/918-481-9)	DNEL	Acute (short term) Inhalation	1066.67 mg/m³	Workers	Local
Hydrocarbons, C10- C13, n-alkanes, iso-alkanes, cyclics aromatics < 2% (64742-48-9/918-481-9)	DNEL	Chronic (long term) Inhalation	410 µg/m³	Consumers	Systemic
Hydrocarbons, C10- C13, n-alkanes, iso-alkanes, cyclics aromatics < 2% (64742-48-9/918-481-9)	DNEL	Acute (short term) Inhalation	1152 mg/m³	Consumers	Systemic
Hydrocarbons, C10- C13, n-alkanes, iso-alkanes, cyclics aromatics < 2% (64742-48-9/918-481-9)	DNEL	Chronic (long term) Inhalation	178.57 mg/m³	Consumers	Local
Hydrocarbons, C10- C13, n-alkanes, iso-alkanes, cyclics aromatics < 2% (64742-48-9/918-481-9)	DNEL	Acute (short term) Inhalation	640 mg/m³	Consumers	Local
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	DNEL	Chronic (long term) Inhalation	275 mg/m³	Workers	Systemic
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	DNEL	Acute (short term) Inhalation	550 mg/m³	Workers	Local
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	DNEL	Chronic (long term) Dermal	796 mg/kg bw/day	Workers	Systemic
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	DNEL	Chronic (long term) Inhalation	33 mg/m³	Consumers	Systemic
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	DNEL	Chronic (long term) Inhalation	33 mg/m³	Consumers	Local
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	DNEL	Chronic (long term) Dermal	320 mg/kg bw/day	Consumers	Systemic
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	DNEL	Chronic (long term) Oral	36 mg/kg bw/day	Consumers	Systemic
Titanium Dioxide (13463-67-7/236-675-5)	DNEL	Chronic (long term) Inhalation	170 µg/m³	Workers	Local
Titanium Dioxide	DNEL	Chronic (long term)	28 µg/m³	Consumers	Local

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Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
(13463-67-7/236-675-5)		Inhalation			

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	PNEC	Freshwater	635 µg/l
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	PNEC	Marine water	63.5 µg/l
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	PNEC	Sediment (freshwater)	3.29 mg/kg sediment dw
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	PNEC	Sediment (marine water)	329 µg/kg sediment dw
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	PNEC	Sewage Treatment Plant	100 mg/l
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	PNEC	Intermittent releases (freshwater)	6.35 mg/l
2-methoxy-1-methylethyl acetate (108-65-6/203-603-9)	PNEC	Soil	0.29 mg/kg soil dry weight

Appropriate engineering controls

Appropriate engineering controls

Ventilate well. The usual precautions when handling chemicals should be observed. All handling to take place in well-ventilated area. Wash hands before breaks and before smoking, eating or drinking. Avoid eating, drinking and smoking when using the product. Avoid contact with skin and eyes. Do not breathe vapor.

Eye / face protection

Use safety goggles and face shield in case of splash risk.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.
Use protective gloves made of: Butyl rubber.
Thickness of glove material: $\geq 0,7$ mm
Breakthrough time: 480 minutes
Immediately replace punctured or contaminated gloves.

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Other skin protection

Wear suitable protective clothing as protection against splashing or contamination.

Respiratory protection

Not required under normal conditions and with good ventilation.

In case of inadequate ventilation: Use respiratory protection with gas filter, type A.

Thermal hazards

Flammable liquid and vapour.

Environmental exposure controls

Do not allow to enter drains, sewers or watercourses.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state

Paste

Colour

Misc. Colors.

Odour

Sweetish.

Melting point / freezing point

< 0 °C

Boiling point or initial boiling point and boiling range

145 - 150 °C

Flammability

Flammable liquid and vapour.

Lower and upper explosion limit

0.9 - 6.2 %

Flash point

55 °C

Auto-ignition temperature

318 - 354 °C

Decomposition temperature

Not determined.

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pH

6 - 7

Kinematic viscosity

> 20,5 mm² /s @ 40 °C.

Viscosity, dynamic

> 2000 mPa · s @ 40 °C.

Solubility

Insoluble in water.

Water solubility

Insoluble in water.

Partition coefficient n-octanol/water

No data available

Vapour pressure

Not determined.

Density and/or relative density

2 - 3 g/cm³

Relative vapour density

No data available

Explosive properties

Solvent vapors may form explosive mixtures with air.

Oxidising properties

Not oxidizing

Particle characteristics

No data available

Other information

No further relevant information available.

SECTION 10: Stability and reactivity

Reactivity

Stable under normal temperature conditions and recommended use. See section 10.3.

Chemical stability

Stable under normal temperature conditions and recommended use.

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Possibility of hazardous reactions

Solvent vapors may form explosive mixtures with air.

Conditions to avoid

Keep away from heat, sparks and open flame. Extremes of temperatures. Avoid frost.

Incompatible materials

Strong acids. Strong alkalis. Strong oxidizing substances.

Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11. Toxicological information

Information on the likely routes of exposure

Acute toxicity

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

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

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Information on other hazards

Endocrine disrupting properties

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

Toxicity

Acute toxicity

Low acute toxicity to aquatic organisms.
Based on available data, the classification criteria are not met.

Persistence and degradability

The product is expected to be slowly biodegradable.

Bioaccumulative potential

The product is not bioaccumulating.

Mobility in soil

Mobility

The product is insoluble in water. No further relevant information available.

Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

Endocrine disrupting properties

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Other adverse effects

No further relevant information available.

Other

German Water Class

WGK1 - slightly water endangering

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SECTION 13: Disposal considerations

Disposal methods

Disposal considerations

Waste is classified as hazardous waste. Disposed of in an incinerator approved for hazardous waste. Dispose of in accordance with official regulations.

Packaging

Uncleaned packaging is treated as hazardous waste. Packaging that cannot be cleaned should be disposed of in the same way as the product. Cleaned packaging can be recycled.

Waste code	Description
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
15 01 10*	packaging containing residues of or contaminated by hazardous substances

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

Other

Appropriate EWC code is determined by the user. The above EWC codes are to be considered suggestions only.

SECTION 14: Transport information

UN number

1263

UN proper shipping name

ADR / RID / ADN proper shipping name

PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)

IMDG proper shipping name

PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

IATA proper shipping name

Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)

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Transport hazard class(es)

Label

ADR/RID/ADN



3

IMDG



3

IATA



3

ADR / RID Class

3

ADR / RID Classification code

F1

ADR / RID hazard identification number

30

IMDG Class

3

IATA Class

3

ADN Class

3

ADN Class Code

F1

Packing group

ADR / RID / ADN: III

IMDG: III

IATA: III

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Environmental hazards

Not applicable

Special precautions for user

Tunnelrestriktionskod: D/E
Transport category: 3

IMDG EmS

F-E, S-E

Transport in bulk according to IMO instruments

Not relevant.

Other

Additional information ADR-RID

This product can be shipped as dangerous goods in limited or reduced quantities.

Additional information IMDG

This product can be shipped as dangerous goods in limited or reduced quantities.

Additional information IATA (ICAO)

This product can be shipped as dangerous goods in limited or reduced quantities.

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.

Classification according to the Regulation (EU) No. 1272/2008 with their respective legislative changes. COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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National regulations

ACGIH: Threshold Limit Values 2020 (ACGIH). NIOSH: NIOSH Pocket Guide to Chemical Hazards (September 2007). OSHA: Occupational Safety and Health Standards, Air contaminants (amendments 2017).

The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

Listed or exempt from listing/notification on the following chemical inventories:

ACIS,DSL,ENCS,ICESC, KECI, PICCS, TSCA.EPCRA SECTION302: This material contains no extremely hazardous substances. CERCLA: This material does not contain any components with a CERCLA RQ.CWA/OPA: This product is classified as an oil under section 311 of the Clean Water Act (40 CFR110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.SARA (311/312) - HAZARDS: Fire Hazard. Chronic Health Hazard.

SARA (302) : No Chemicals in this material are subject to the reporting requirements of SARA Title II, Section 302.SARA (313) TOXIC RELEASE INVENTORY: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III section 313.

WHMIS Classification: B3 - Combustible liquid. D2A Very Toxic Material causing other Toxic effects.Clean Air Act This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489). Clean Water Act This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

Other regulations, limitations and legal regulations

Substances of very high concern (SVHC) according to REACH, Article 57: Not applicable.

Restriction of chemicals according to Annex XVII (REACH): Not applicable.

Chemical safety assessment

SECTION 16: Other information

Phrase meaning

Flam. Liq. 3 - Flammable liquids, hazard category 3

Asp. Tox. 1 - Aspiration hazard, hazard category 1

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

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Other

Additional information

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Technical description

Abbreviations and acronyms used in the safety data sheet:

ACGIH - American Conference of Government Industrial Hygienists; LD50 - Lethal Dose 50%; AICS - Australia, Inventory of Chemical Substances; LOAEL - Lowest Observed Adverse Effect Level; DSL - Canada, Domestic Substances List; NFPA - National Fire Protection Agency; NDSL - Canada, Non-Domestic Substances List; NIOSH - National Institute for Occupational Safety & Health; CNS - Central Nervous System; NTP - National Toxicology Program; CAS - Chemical Abstract Service - NZIoC - New Zealand Inventory of Chemicals; EC50 - Effective Concentration; NOAE - No Observable Adverse Effect Level; EC50 - Effective Concentration 50%; NOEC - No Observed Effect Concentration; EGEST - EOSCA Generic Exposure Scenario Tool; OSHA - Occupational Safety & Health Administration; EOSCA - European Oilfield Specialty Chemicals Association; PEL - Permissible Exposure Limit; EINECS - European Inventory of Existing Chemical Substances; PICCS - Philippines Inventory of Commercial Chemical Substances; MAK - Germany Maximum Concentration Values; PRNT - Presumed Not Toxic; GHS - Globally Harmonized System; RCRA - Resource Conservation Recovery Act; >= Greater Than or Equal To; STEL - Short-term Exposure Limit; IC50 - Inhibition Concentration 50%; SARA - Superfund Amendments and Reauthorization Act; IARC - International Agency for Research on Cancer; TLV - Threshold Limit Value; IECSC - Inventory of Existing Chemical Substances in China; TWA - Time Weighted Average; ENCS - Japan, Inventory of Existing and New Chemical Substances; TSCA - Toxic Substance Control Act; KECI - Korea, Existing Chemical Inventory; UVCB - Unknown or Variable Composition, Complex Reaction Products, and Biological Materials; <= Less Than or Equal To; WHMIS - Workplace Hazardous Materials Information System; LC50 - Lethal Concentration 50%.