Material Safety Data Sheet

According to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Revision :08/08/2024

1: Identification of the substance/Preparation and company

1.1 PRODUCT IDENTIFICATION

PRODUCT NAME: *Gouache -12colors*

COLOR : *Titanium White*、*Lemon Yellow*、*Yellow Ochre*、*Vermilion*、*Crimson*、*Viridian*、*Cerulean Blue*、*Phthalocyanine Blue*、*Purple*、*Burnt Sienna*、*Burnt Umber*、*Lamp Black*

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Paint by artist, amateur and students

1.3 COMPANY DETAILS:

NAME： *Tianchang Jiafeng Painting Material Co., Ltd*

ADDRESS:*Shizhuang Village, Zhengji Town, Tianchang City, Anhui Province, China*

TEL:*+86-550-7964322*

FAX:*+86-550-7964422*

CONTACT PERSON:*Chen Feng*

EMAIL ADDRESS: *Chen-feng@jabp.com*

1.4 EMERGENCY TELEPHONE

TEL: *+86-550-7964322*

2. Hazard identification

2.1 Classification of the substance or mixture

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

The product is not classified according to CLP Regulation.

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008: Not applicable

- **Hazard pictograms:** Not applicable
- **Signal word:** Not applicable
- **Hazard-determining components of labelling:** Not applicable
- **Hazard statements:** Not applicable
- **Precautionary statement:** Not applicable
- **Supplemental label elements:** Not applicable

2.3 Other hazards

None ingredients meets the criteria for PBT/vPvB in accordance with Annex XIII.

None ingredients identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

3. Composition/information on ingredients

3.1 **Substances** *Information not relevant.*

3.2 Mixtures.

*Ingredient Name	*CAS Number	*Proportion	According to Regulation (EC) No 1272/2008
1. Titanium White			
Water	7732-18-5	42.6988%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317

			Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410
Calcium carbonate	471-34-1	10.0000%	Not Classified
Silicon dioxide	7631-86-9	6.2000%	Not Classified
Titanium dioxide (P.W.6)	13463-67-7	18.5000%	Not Classified
2.Lemon Yellow			
Water	7732-18-5	44.9988%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410
Calcium carbonate	471-34-1	22.2000%	Not Classified
Silicon dioxide	7631-86-9	6.2000%	Not Classified
2-[(2-methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutyramide (P.Y.74)	6358-31-2	4.0000%	Not Classified
3.Yellow Ochre			
Water	7732-18-5	39.3988%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410

Calcium carbonate	471-34-1	18.0000%	Not Classified
Silicon dioxide	7631-86-9	3.0000%	Not Classified
Iron hydroxide oxide yellow (P.Y.42)	51274-00-1	17.0000%	Not Classified
4.Vermilion			
Water	7732-18-5	41.8988%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410
Calcium carbonate	471-34-1	25.0000%	Not Classified
Silicon dioxide	7631-86-9	5.0000%	Not Classified
2-[(2-methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutyramide (P.Y.74)	6358-31-2	4.0000%	Not Classified
4-[(2,5-dichlorophenyl)azo]-3-hydroxy-N-phenylnaphthalene-2-carboxamide(P.R.2)	6041-94-7	1.5000%	Not Classified
5.Crimson			
Water	7732-18-5	45.1988%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410
Calcium carbonate	471-34-1	22.8000%	Not Classified
Silicon dioxide	7631-86-9	4.4000%	Not Classified

Calcium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate(P.R 57:1)	5281-04-9	5.0000%	Not Classified
6.Viridian			
Water	7732-18-5	41.3988%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410
Calcium carbonate	471-34-1	24.0000%	Not Classified
Silicon dioxide	7631-86-9	7.2000%	Not Classified
Polychloro copper phthalocyanine(P.G.7)	1328-53-6	2.9000%	Not Classified
Titanium dioxide (P.W.6)	13463-67-7	1.9000%	Not Classified
7.Cerulean Blue			
Water	7732-18-5	42.1788%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410
Calcium carbonate	471-34-1	22.0000%	Not Classified
Silicon dioxide	7631-86-9	6.0000%	Not Classified
Titanium dioxide (P.W.6)	13463-67-7	3.3000%	Not Classified
Polychloro copper phthalocyanine(P.G.7)	1328-53-6	0.8000%	Not Classified
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	147-14-8	3.1200%	Not Classified

Phthalo Blue BGS(P.B.15)			
8.Phthalocyanine Blue			
Water	7732-18-5	47.2688%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410
Calcium carbonate	471-34-1	18.5000%	Not Classified
Silicon dioxide	7631-86-9	8.1300%	Not Classified
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper Phthalo Blue BGS(P.B.15)	147-14-8	3.5000%	Not Classified
9.Purple			
Water	7732-18-5	52.5188%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410
Calcium carbonate	471-34-1	16.0000%	Not Classified
Silicon dioxide	7631-86-9	8.0000%	Not Classified
Titanium dioxide (P.W.6)	13463-67-7	2.4000%	Not Classified
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper Phthalo Blue BGS(P.B.15)	147-14-8	0.0800%	Not Classified
8,18-dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine(P.V.23)	6358-30-1	0.8000%	Not Classified

10..Burnt Sienna			
Water	7732-18-5	48.6488%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410
Calcium carbonate	471-34-1	15.8500%	Not Classified
Silicon dioxide	7631-86-9	6.1000%	Not Classified
Iron hydroxide oxide yellow (P.Y.42)	51274-00-1	1.8000%	Not Classified
Iron hydroxide oxide red (P.R.101)	1309-37-1	4.5000%	Not Classified
Iron hydroxide oxide black (P.BK.11)	1317-61-9	0.5000%	Not Classified
11.Burnt Umber			
Water	7732-18-5	41.2488%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410
Calcium carbonate	471-34-1	18.0000%	Not Classified
Silicon dioxide	7631-86-9	6.2500%	Not Classified
Iron hydroxide oxide yellow (P.Y.42)	51274-00-1	4.2000%	Not Classified
Iron hydroxide oxide red (P.R.101)	1309-37-1	1.3000%	Not Classified
Iron hydroxide oxide black (P.BK.11)	1317-61-9	6.4000%	Not Classified

12. Lamp Black			
Water	7732-18-5	46.1988%	Not Classified
Gum arabic	9000-01-5	20.0000%	Not Classified
Glycerine	56-81-5	2.5000%	Not Classified
2-phenoxyethanol	122-99-6	0.1000%	Acute Tox. 4 H302 Eye Dam.1 H318 STOT SE 3 H335
2-n-butyl-benzo[d]isothiazol-3-one	4299-07-4	0.0006%	Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 AquaticChronic 1 H410
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	0.0006%	Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT RE 2 H373 Aquatic Acute 1 H400 AquaticChronic 1 H410
Calcium carbonate	471-34-1	18.0000%	Not Classified
Silicon dioxide	7631-86-9	8.2000%	Not Classified
Carbon Black (P.BK. 7)	1333-86-4	5.0000%	Not Classified

Titanium dioxide with an aerodynamic diameter of ≤ 10 μm is less than 1%.**Labeling is not applicable.**

4. First aid measures

4.1 Description of first aid measures

After skin Contact： If skin or hair contact occurs,Flush skin and hair with running water(and soap if available).Seek medical attention in event of irritation.

After eye Contact: If this Producs comes in contact with eyes:Wash out immediately with water. If irritation continues,seek medical attention.Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

After ingestion: Immediately give a glass of water.First aid is not generally required.If in doubt,contact a Poisons Information Centre or a doctor.

After inhalation: If fumes,aerosols or combustion products are inhaled,remove from contaminated area.Othe measures are usually unnecessary.

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

No date available

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

Information not available.

5. Fire fighting Measures

5.1Suitable Extinguishing Media	These is no restriction on the type of extinguisher which may be used.Use extinguishing media suitable for surrounding area.
5.2Combustion products and resulting gases	Carbon momoxide (CO) carbon dioxide (CO2) other pyrolysis products typical of burning organic material.
5.3Special Protective Equipment	Avoid contamination with oxidising agents i.e.nitrates,oxidising acids,chlorine bleaches,pool chlorine ect.as ignition may result.

6. Accidental release Measures

6.1Personal Protection	Clean up waste regularly and abnormal spills.Avoid breathing dust and contact with skin and eyes .Wear protective clothing,gloves,safety glasses and dust respirator.Use dry clean up procedures and avoid generating dust.
6.2Environmental Protection	Not applicable
6.3Methods for cleaning up	Not applicable
6.4 Reference to other sections	Any information on personal protection and disposal is given in sections 8 and 13.

7. Handling and storage

7.1Handling Precautions	Store in cool, dry place in tightly closed receptacles. Keep ignition source away – Do not smoke.
7.2Storage Precautions	Store in a cool location. Store away from flammable substances.
7.3 Specific end use(s)	Information not available.

8. Exposure controls/personal protection

8.1Respiration Protection	Not required.
8.2Hand Protection	The glove material has to be impermeable and resistant to the products/the substance/the preparation. Due to missing test no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rate of diffusion and the degradation
8.3Eye Protection	Not required
8.4Skin Protection	Generally the product does not irritate the skin. If skin or hair contact occurs,Flush skin and hair with running water(and soap if available)

9. Physical and chemical properties

Appearance	Paste	**Auto flammability**	Product is not self igniting.

Color	12colors	**Explosive properties**	Product dose not present explosion hazard
Odour	No	**Oxidizing properties**	Not available
PH	6-7	**Vapor pressure**	Not available
Boiling point/boiling range	Not available	**Relative density**	1.25-1.50g/㎝ 3
Melting point/melting range	Not available	**Solubility in water**	Yes
Flash point	Not available	**Partition coefficient**	Not available
Flammability	No	**Others**	No

10. Stability and reactivity

10.1. Reactivity.	There are no particular risks of reaction with other substances in normal conditions of use.
10.2. Chemical stability.	The product is stable in normal conditions of use and storage
10.3. Possibility of hazardous reactions.	No hazardous reactions are foreseeable in normal conditions of use and storage.
10.4. Conditions to avoid	None in particular. However the usual precautions used for chemical products should be respected.
10.5. Incompatible materials	Information not available.
10.6. Hazardous decomposition products	No

11. Toxicological information

11.1 Information on toxicological effects

- **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 eyes damage/ irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization:** 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.
- **Summary of evaluation of the CMR properties:** Not classified as CMR product.
- **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.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties:

None ingredient is considered to have endocrine-disrupting properties with respect to humans as it meets the criteria set out in section A of Regulation (EU) No 2017/2100.

11.2.2 Other information: No known other relevant information on adverse health effects.

12. Ecological information

12.1. Toxicity

Ecology - general: : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term(acute) :: Not classified
Hazardous to the aquatic environment, long-term(chronic) :: Not classified

12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Results of PBT and vPvB assessment
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
12.6. Endocrine disrupting properties
No additional information available
12.7. Other adverse effects
·General notes: WGK1 (German Regulation) (self-assessment): Low hazard to waters.
Do not allow large quantities of the product to reach ground water, water course or sewage system.

13. Disposal considerations

13.1Methods of disposal	Do not allow wash water from cleaning or process equipment to enter drains.
13.2Dangers in disposal	No

14. Transport information

Transportation Status：Important！ Statements below provide additional data on listed Dot classification.
The listed Transportation Classification does not sddress regulatory variations due to changes in package size,mode of shipment or other regulatory descriptors.
US Department of Transportation
Shipping Name: IMDG NOT REGULATED

14.1UN number	No
14.2UN proper shipping name	No
14.3Transport hazard class(es)	No
14.4Packing group	Unregulated
14.5Environmental hazards	No
14.6Special precautions for user	No
14.7Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Unregulated

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation sp
EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.2 Chemical safety assessment: A Chemical Safe Assessment has not been carried out.

16. Other information

16.1 Indication of changes:

None.

16.2 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).
IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association.
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
PBT: Persistent, Bio accumulative and Toxic
vPvB: very persistent and very bio accumulative
SVHC: Substance of Very High Concern
LD50: Lethal dose, 50 percent
LC50: Lethal concentration, 50 percent
EC50: Concentration of maximal effect, 50 percent
NOEC: No observed effect concentration
Acute Tox. 3: Acute toxicity, hazard category 3
Acute Tox. 4: Acute toxicity, hazard category 4
Skin Irrit.2: Skin corrosion/irritation, hazard category 2
Eye Dam. 1: Eye damage/irritation, hazard category 1
Eye Irrit. 2: Eye damage/irritation, hazard category 2
STOT SE 3: Specific target organ toxicity after single exposure, hazard category 3
Carc. 2: Carcinogenicity, hazard category 2
Aquatic Acute 1: Short-term (acute) aquatic hazard, hazard category 1
Aquatic Chronic 2: Long-term (chronic) aquatic hazard, hazard category 2
Aquatic Chronic 3: Long-term (chronic) aquatic hazard, hazard category 3

· **16.3 Key literature references and sources for data:**

https://echa.europa.eu/
https://chem.nlm.nih.gov/
https://www.osha.gov/
http://www.unece.org/
http://www.imo.org/
https://www.dguv.de/
https://epa.govt.nz/
http://www.ilo.org/
https://www.phmsa.dot.gov/

· **16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:**

See section 2.1(classification).

· **16.5 Relevant H- and EUH-phrases (number and full text):**

H301 Toxic if swallowed
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage
H335 May cause respiratory irritation
H373 May cause damage to organs through prolonged or repeated exposure
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects.

16.6 Training advice:

Workers must be educated and trained so they can read SDS and understand the hazards, and know how to work safely with hazardous products.

16.7 Further information

The contents and format of this MSDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

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