# 上海纳诺微新材料科技有限公司

Shanghai NNW New Materials Technology Co., Ltd.

# **Safety Data Sheet**

# Water based dye ink

Version:1.1 Creation Date:2023/06/21 Revision Date:2023/06/21 Color: Light purple Country of Destination:EU \*Safety Data Sheet (Conforms to Annex II of REACH (1907/2006) - Regulation 2020/878)

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

# 1.1 Product identifier Product Name Water based dye ink (Light purple) Synonyms - CAS NO. - EC NO. - Chemical Formula -

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

Relevant identified uses	To write
Uses advised against	—

### 1.3 Details of the supplier of the Safety Data Sheet

Name of the company	any Shanghai NNW New Materials Technology Co., Ltd.	
Address of the company	mpany ROOM 402, Buildiing 17, Lane 268, Lingxin Road, Changning District Shanghai, CHINA	
Post code	200335	
Telephone number	021-64476059	
Fax number	021-64476096	
Email	sales@nnwchina.com	

### 1.4 Emergency phone number

*Emergency phone number* +8613311812200

# SECTION 2 Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008	The product is not classified according to the CLP regulation.
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2.2 Label elements

Hazard pictogram(s)	Not Applicable
Signal word	Not Applicable
Hazard statements	Not Applicable

2.3 Precautionary statements

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Prevention	Not Applicable
Response	Not Applicable
Storage	Not Applicable
Disposal	Not Applicable

### 2.4 Other hazards

None of the ingredients ( $\geq 0.1\%$ ) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

# SECTION 3 Composition/information on ingredients

### 3.1 Substance

Not Applicable

### 3.2 Mixtures

> **Description:**Mixture of substances listed.

1.CAS No 2.EC No 3.Index No 4.REACH No	%[weight]	Name	Classification according to regulation (EC)No 1272/2008 [CLP] and amendments	Nanoform Particle Characteristics	SCL/M-Factor/ ATE
1.56-81-5 2.200-289-5 3.Not Available 4.Not Available	10.0	Glycerol	Not Classified	Not Applicable	Not Applicable
1.2650-18-2 2.220-168-0 3.Not Available 4.Not Available	1.5	C.I.Acid Blue 9	Not Classified	Not Applicable	Not Applicable
1.9003-39-8 2.Not Available 3.Not Available 4.Not Available	1.0	Polyvinyl pyrrolidone	Not Classified	Not Applicable	Not Applicable
1.3520-42-1 2.222-529-8 3.Not Available 4.Not Available	1.0	C.I.Acid Red 52	Not Classified	Not Applicable	Not Applicable
1.2611-82-7 2.220-036-2 3.Not Available 4.Not Available	2.0	Acid Red 18	Not Classified	Not Applicable	Not Applicable
1.7732-18-5 2.231-791-2 3.Not Available 4.Not Available	84.5	Water, distilled, conductivity or of similar purity	Not Classified	Not Applicable	Not Applicable

# SECTION 4 First aid measures

### 4.1 Description of first aid measures

General advice	Seek medical attention if necessary. Show this Safety Data Sheet (SDS) to the physician present.
Eye contact	Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.
Skin contact	Wash with water. If there are signs of irritation or other symptoms seek medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

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

No known symptoms or effects, acute or delayed.

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

No special immediate medical attention or special treatment needed.

# SECTION 5 Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	CO2,powder or water spray.Fight larger fires with water spray or alcohol resistant foam.
Unsuitable extinguishing media	Water with full jet.

5.2 Special hazards arising from the substrate or mixture

### Water based dye ink-Light purple

May form irritating fumes in the air under fire.

### 5.3 Advice for firefighters

1	As in any fire, wear self-contained breathing apparatus(MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

# **SECTION 6** Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

1	Ensure adequate ventilation.
2	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
3	Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

### 6.2 Environmental precautions

1	Do not allow to enter sewers/ surface or ground water.
2	Discharge into the environment must be avoided.

### 6.3 Methods and material for containment and cleaning up

1	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
2	Dispose contaminated material as waste according to item 13.
3	Use respiratory protective device against the effects of fumes/dust/aerosol.

### 6.4 Reference to other sections

1	See section 7 for information on safe handing.	
2	See section 8 for information on personal protection equipment.	
3	See section 13 for disposal in formation.	

# SECTION 7 Handling and storage

### 7.1 Precautions for handling

> Protective me	Protective measure		
1	Ensure good ventilation/exhaustion at the workplace.		
2	Keep receptacles tightly sealed.		
3	Keep away from heat and direct sunlight.		
4	4 Avoid contact with eyes.		
5	Avoid breathing vapour.		

### > Information about fire - and explosion protection

Normal measures for preventive fire protection.

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

1	Keep containers tightly closed.	
2	Keep containers in a dry, cool and well-ventilated place.	
3	Store away from incompatible materials and food stuff containers.	
4	Store away from strong oxidants and strong acids.	

### 7.3 Specific end use(s)

See section 1.2

# SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters

Ingredient	DNELs Exposure Pattern Worker	PNECs Compartment	
Glycerol	Inhalation 220 mg/m³ (Local, Chronic) Inhalation 132 mg/m³ (Local, Chronic) *	0.885mg/L (Water (Fresh)) 0.088 mg/L (Water - Intermittent release) 8.85 mg/L (Water (Marine)) 3.3 mg/kg sediment dw (Sediment (Fresh Water)) 0.33 mg/kg sediment dw (Sediment (Marine)) 1000 mg/L (STP) 0.141mg/kg soil dw (Soil)	
Inhalation 24.7 mg/m <sup>3</sup> (Systemic, Chronic) Dermal 7 mg/kg bw/day (Systemic, Chronic) Inhalation 3.7 mg/m <sup>3</sup> (Systemic, Chronic)* Dermal 2.5 mg/kg bw/day (Systemic, Chronic)* Oral 2.5 mg/kg bw/day (Systemic, Chronic)*		0.1 mg/L (Water (Fresh)) 1 mg/L (Water - Intermittent release) 0.01 mg/L (Water (Marine)) 10 mg/L (STP) 0.392 mg/kg sediment dw (Sediment (Fresh Water)) 0.0392 mg/kg sediment dw (Sediment (Marine)) 0.0197 mg/kg soil dw (Soil)	
Inhalation 88.3mg/m <sup>3</sup> (Systemic, Chronic) Dermal 17.67 mg/kg bw/day (Systemic, Chronic) Dermal 6.31 mg/kg bw/day (Systemic, Chronic)* Inhalation 19 mg/m <sup>3</sup> (Systemic, Chronic)* Oral 6.31mg/kg bw/day (Systemic, Chronic)*		0.1 mg/L (Water (Fresh)) 1 mg/L (Water - Intermittent release) 0.01 mg/L (Water (Marine)) 0.1 mg/L (Marine Water - Intermittent release) 0.363 mg/kg sediment dw (Sediment (Fresh Water)) 0.0363 mg/kg sediment dw (Sediment (Marine)) 1 mg/kg soil dw (Soil) 10 mg/L (STP)	

### \* Values for General Population

### 8.1.1 Occupational Exposure Limits (OEL)

### > Ingredient data

Ingredient	Country	Limit value - Eight hours	Limit value - Short term
	Belgium	10mg/m <sup>3</sup>	Not data available
	VLEP (France)	10mg/m <sup>3</sup>	Not data available
	WELs(UK)	10mg/m <sup>3</sup>	Not data available
	Finland	20mg/m <sup>3</sup>	Not data available
	AGS(Germany)	200mg/m <sup>3 [1]</sup>	400mg/m <sup>3 [1][2]</sup>
Glycerol, mist	DFG(Germany)	200mg/m <sup>3</sup> <sup>[1]</sup>	400mg/m <sup>3 [1][2]</sup>
	Ireland	10mg/m <sup>3</sup>	Not data available
	Poland	10mg/m <sup>3</sup>	Not data available
	Spain	10mg/m <sup>3</sup>	Not data available
	Switzerland	50mg/m³inhalable aerosol	100mg/m³inhalable aerosol

Remarks: 1. Inhalable fraction 2.15 minutes average value

### Emergency Limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
Glycerol	45mg/m <sup>3</sup>	180mg/m <sup>3</sup>	1100mg/m³
C.I.Acid Blue 9	30mg/m <sup>3</sup>	330mg/m <sup>3</sup>	2000mg/m³
Polyvinyl pyrrolidone	51mg/m³	560mg/m <sup>3</sup>	20000mg/m³

### 8.2 Engineering controls

General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

### 8.3 Personal protection equipment

General requirement	
Eye protection	Tightly fitting safety goggles (approved by EN166(EU) or NIOSH(US).
Hand protection	Wear protective gloves(such as butyl rubber, passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.
Respiratory protection	Not required under normal conditions of use.
Skin and body protection	Not required under normal conditions of use.

Other protection

# **SECTION 9** Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Light purple	Dynamic		Not determined
Physical state	Liquid	Viscosity	Kinematic:	Not determined
Odour	Odourless	Vapour densi	ity (Air = 1)	Not determined
Odour threshold	Not determined	Density/Relat	tive density	Not determined
pH (as supplied)	Not determined	Decomposition	temperature	Not determined
Melting point/freezing point(°C)	Not determined	Particle	e Size	Not determined
Flash point(Closed cup,°C)	Not determined	Vapour pres	sure (kPa)	Not determined
Flammability	Not flammable liquid	Relative vap	or density	Not determined
Evaporation rate	Not determined	Partition coefficient	t n-octanol/ water	Not determined
Upper Explosive Limit (%)	Not determined	Auto-ignition ter	mperature(°C)	Not determined
Lower Explosive Limit (%)	Not determined	Explosive p	properties	Product does not present anexplosion hazard
Self-igniting	Not determined	Oxidising p	properties	Not determined
Taste	Not determined	Surface Tension (d	yn/cm or mN/m)	Not determined
Volatile Component (%vol)	Not determined	Gas gi	roup	Not determined
pH as a solution (1%)	Not determined	VOC	g/L	Not determined
Self-igniting Taste Volatile Component (%vol)	Not determined Not determined Not determined	Oxidising p Surface Tension (d Gas gr	properties yn/cm or mN/m) roup	Not determined Not determined Not determined

### 9.2 Other information

No further relevant information available.

# SECTION 10 Stability and reactivity

### 10.1 Stability and reactivity

Reactivity	No further relevant information available.	
Chemical stability	Stable under proper operation and storage conditions.	
Possibility of hazardous reactions	No dangerous reactions known.	
Conditions to avoid	No further relevant information available.	
Incompatible materials	No further relevant information available.	
Hazardous decomposition products	No dangerous decomposition products known.	

# SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Not normally a hazard due to non-volatile nature of product.		
Ingestion	The material has not been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.		
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.		
Eye	<i>Eye Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transien discomfort characterised by tearing or conjunctival redness (as with windburn).</i>		
Chronic	Long-term exposure to the product is not thought to produce chronic effects adverse to the health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course.		

Weter Land due in L	ΤΟΧΙCΙΤΥ	IRRITATION
Water based dye ink	No data available	No data available
	ΤΟΧΙCITY	IRRITATION
Glycerol	Oral (rat) LD50:> 11500 mg/kg <sup>IIJ</sup> Inhalation(rat) LC50: > 5.85mg/L 4h <sup>IIJ</sup> Dermal (guinea pig) LD50:45 ml/kg <sup>IIJ</sup>	Skin (rabbit):non-irritating(Draize) Eye (rabbit):non-irritating (Draize)
	ΤΟΧΙCITY	IRRITATION
Acid Red 18	Oral (rat) LD50:>8000 mg/kg <sup>[1]</sup>	Eye: no adverse effect observed (not irritating)(Draize) Skin: no adverse effect observed (not irritating)(Draize)
	ΤΟΧΙCITY	IRRITATION
C.I.Acid Red 52	Oral (rat) LD50: >5000 mg/kg <sup>[1]</sup>	Eye: no adverse effect observed (not irritating)(Draize) Skin: no adverse effect observed (not irritating)(Draize)
Polyvinyl pyrrolidone	ΤΟΧΙCITY	IRRITATION
	Oral(mouse) LD50:100000mg/kg <sup>[2]</sup>	No data available
C.I.Acid Blue 9	ΤΟΧΙCITY	IRRITATION
	Oral (rat) LD50: >1900 mg/kg <sup>[1]</sup>	Eye: no adverse effect observed (not irritating)(Draize) Skin: no adverse effect observed (not irritating)(Draize)
Legend:	Legend: 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS.	

## 11.2 Carcinogenicity

Component	Cas No.	IARC
Acid Red 18	2611-82-7	Not listed
Glycerol	56-81-5	Not listed
Water	7732-18-5	Not listed
C.I.Acid red 52	3520-42-1	Not listed
C.I.Acid Blue 9	2650-18-2	Not listed
Polyvinylpyrrolidone	9003-39-8	Category 3

### 11.2.1 Endocrine Disruption Properties

None of the ingredients ( $\geq 0.1\%$ ) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

### 11.3 Primary irritant effect

Carcinogenicity	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.
Skin sensitization	Based on available data, the classification criteria are not met.
Respiratory sensitization	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.

# SECTION 12 Ecological information

### 12.1 Toxicity

Water based dye ink	Endpoint	Test Duration (hr)	Species	Value	
	No data available	No data available	No data available	No data available	
Glycerol	Endpoint	Test Duration (hr)	Species	Value	

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	LC50	96h	Fish	54000 mg/L	
	EC50	48h	Aquatic invertebrates	1955mg/L	
	EC50	192h	Aquatic algae and cyanobacteria	2900mg/L	
	Endpoint	Test Duration (hr)	Species	Value	
	NOEC	168h	Aquatic plants other than algae	100 mg/L	
	EC50	48h	Aquatic invertebrates	>100 mg/L	
Acid Red 18	EC0	48h	Aquatic invertebrates	100 mg/L	
	LC50	96h	Fish	>1000 mg/L	
	BCF	672h	Fish	<=0.55 l/kg(conc.0.474mg/L)	
	BCF	672h	Fish	<=5.6 l/kg(conc.0.0474mg/L)	
	Endpoint	Test Duration (hr)	Species	Value	
	EC50	48h	Aquatic invertebrates	120 mg/L	
C.I.Acid red 52	EC50	168h	Aquatic plants other than algae	1000 mg/L	
	EC10	168h	Aquatic plants other than algae	161.6-1000 mg/L	
	BCF	672h	Fish	<=0.57 l/kg(conc.1690µg/L)	
	BCF	672h	Fish	<=5.3 l/kg(conc.169µg/L)	
	Endpoint	Test Duration (hr)	Species	Value	
	LC50	96h	Fish	>100 mg/L	
	EC50	48h	Aquatic invertebrates	>100 mg/L	
C.I.Acid Blue 9	NOEC	504h	Aquatic invertebrates	10000 mg/L	
	EC50	168h	Aquatic plants other than algae	200 mg/L	
			1		

# 12.2 Persistence and degradability

Component	Cas No.	Persistence (water/soil)
Glycerol	56-81-5	Readily biodegradable in water
Acid red 18	2611-82-7	Not readily biodegradable in water
C.I.Acid red 52	3520-42-1	Not readily biodegradable in water
C.I.Acid Blue 9	2650-18-2	Not ready biodegradable in water

# 12.3 Bioaccumulative potential

Component	Cas No.	Bioaccumulative potential	Remarks	
Glycerol	56-81-5	No potential for bioaccumulation	LogKow=-0.244 - 0.046	
Acid red 18	2611-82-7	No potential for bioaccumulation	LogKow=-2.267	
C.I.Acid red 52	3520-42-1	No data available	LogKow=-2.2	
C.I.Acid Blue 9	2650-18-2	Potential for a low bioaccumulation	LogKow=-3	

# 12.4 Mobility in soil

Component	Cas No.	Soil Organic Carbon-WaterPartitioning Coefficient (Koc)
Glycerol	56-81-5	Koc=1
Acid red 18	2611-82-7	Koc=3.16
C.I.Acid red 52	3520-42-1	No data available
C.I.Acid Blue 9	2650-18-2	No data available

# 12.5 Results of PBT and vPvB assessment

vPvB

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# 12.6 Endocrine Disruption Properties

Not Applicable

None of the ingredients ( $\geq 0.1\%$ ) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.

## 12.7 Other adverse effects

No further relevant information available.

# SECTION 13 Disposal considerations

# 13.1 Waste treatment methods

Product / Packaging disposal	Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. 1.Do not allow wash water from cleaning or process equipment to enter drains. 2.It may be necessary to collect all wash water for treatment before disposal. 3.Recycle wherever possible. 4.Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
Waste treatment options	No further relevant information available.
Sewage disposal options	No further relevant information available.

# SECTION 14 Transport information

# 14.1 UN-Number

ADR/RID/ADN, IMDG, IATA	Not Applicable
14.2 UN proper shipping name	
ADR/RID/ADN, IMDG	Not Applicable
IATA	Not Applicable
14.3 Transport hazard class(es)	
ADD/DID/ADN IMDC LATA	Net Analise hle

ADR/RID/ADN, IMDG, IATA	Not Applicable
Class	Not Applicable
Label	Not Applicable

# 14.4 Packing group

ADR/RID/ADN, IMDG, IATA	Not Applicable
	**

# 14.5 Environmental hazards

Not Applicable

# 14.6 Special precautions for user

Not Applicable

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

Not Applicable

# 14.8 Transport/Additional information

Not dangerous according to the above specifications.

UN "Model Regulation"

Not Applicable

# SECTION 15 Regulatory information

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

Directive 2012/18/EU

Named dangerous substances -ANNEX I	None of the ingredients is listed
Other regulations, limitations and prohibitive regulations	
SVHC CandidateList of REACH Regulation Annex XIV Authorisation	None of the ingredients is listed.
<b>REACH Regulation Annex XVII Restriction</b>	None of the ingredients is listed.
<b>REACH Regulation Annex XIV Authorization List</b>	None of the ingredients is listed.

### 15.2 Chemical safety assessment

A Chemical Safe Assessment has not been carried out.

### 15.3 International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS
Glycerol	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed
Acid red 18	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed
C.I.Acid Red 52	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed
Polyvinyl pyrrolidone	Not Listed	Listed						
Water	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed
C.I.Acid Blue 9	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed

[EINECS] European Inventory of Existing Commercial Chemical Substances

[TSCA] United States Toxic Substances Control Act Inventory

**[**DSL **]** Canadian Domestic Substances List

[IECSC] China Inventory of Existing Chemical Substances

[NZIOC] New Zealand Inventory of Chemicals

[PICCS] Philippines Inventory of Chemicals and Chemical Substances

[KECI] Existing and Evaluated Chemical Substances

[AICS] Australia Inventory of Chemical Substances

# SECTION 16 Other information

### 16.1 Information on revision

Creation Date	2023/06/21
<b>Revision Date</b>	2023/06/21
Reason for revision	_

### 16.2 Abbreviations and acronyms

SCL: Specific Concentration limits
ATE: Acute Toxicity Estimates
Cas : Chemical Abstracts Service
PC-TWA: Permissible Concentration-Time Weighted Average
PC—STEL: Permissible Concentration-Short Term Exposure Limit
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TEEL: Temporary Emergency Exposure Limit
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
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
NOEC: No Observed Effect Concentration
BCF: BioConcentration Factors
ELINCS: European List of Notified Chemical Substances

DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

### 16.3 Further information

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

### DISCLAIMER OF LIABILITY:

This Safety Data Sheet (SDS) was prepared according to REACH Regulation The data included was derived from international authoritative data base and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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