

BEIFA GROUP CO.,LTD.

SKU	VENDOR ITEM	DESCRIPTION
1636883	PY2464-BK	X12 FORAY PERM. MARKER BULLET
1637026	PY2464-BL	X12 FORAY PERM. MARKER BULLET
1637071	PY2464-RD	X12 FORAY PERM. MARKER BULLET
1637337	PY2464-4MIX	X4 FORAY PERM MARKER BULLET AS
1637381	PY2462-BK	X12 FORAY PERM. MARKER PEN BK
1637463	PY2462-4 MIX	1637463-FORAY PERM. MARKER PEN
1637976	PY2462-BK	1637976-FORAY PERM. MARKER PEN
1645101	PY2462--BK	FORAY CD/DVD MARKER BK



Safety Data Sheet

(According to 2006/1907/EC)

1. Identification of the Substance/Preparation/Company

Product details

Trade name: Permanent Ink / PP120 BLACK

Product type: EEMKCMBK07

Manufacturer /Supplier:

BEIFA GROUP CO., LTD.

No.298 Jiangnan(East) Road,Ningbo,China

Phone :86-574-86186793

Fax: 86-574-86155295

www.beifa.com

Further information obtainable from:

Technical service , Rosebort

TEL.:86-574-86186707

Mobile : 86-13958305853

Information in case of emergency:

TEL.:86-574-86186888

2. Composition /information on ingredients

Chemical characterization

Mixture of the following substances , containing non-hazardous substances and colouring agents.

Description : Mixture of substances listed below with nonhazardous additions

Dangerous components:				
EINECS/ELINCS	CAS	Common Name	Classification	Cone.
200-578-6	64-17-5	Industrial Methylated Spirits	F, Xn R11 R20/21/22 R68/20/21/22	70%
203-539-1	107-98-2	1-Methoxy-2-propanol	R 10	25%
224-087-1	4197-25-5	solvent black 3	Xn R20 R21 R33	2%
	8005-2-5	Solvent Black 7	Xn R20/21/22 R33 R41 R51/53	2%
	various	Pigments, Resins, surfactants		1%

Additional information :For the wording of the listed risk phrases refer to section 16.

3. Hazards identification

Hazard description:



Xn Harmful

Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline

for preparations of the EU ” in the latest valid version.

Has a narcotizing effect.

R 10 Flammable.

R 41 Risk of serious damage to eyes.

R 67 Vapours may cause drowsiness and dizziness.

Classification system:

The classification is according to the latest editions of the EU-lists , and extended by company and literature data.

4. First –aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact : Generally the product does not irritate the skin.

After eye contact : Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: If symptoms persist consult doctor.

5. Fire –fighting measures

Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.

· For safety reasons unsuitable extinguishing agents:

Water

Water with full jet

Protective equipment: No special measure required .

6. Accidental release measure

Person –related safety precautions : Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Do not allow to enter sewers/ surface or ground water.

Measures for cleaning /collecting: Absorb with liquid-binding material (sand, diatomite, acid binders , universal binders , sawdust).

Ensure adequate ventilation

Do not flush with water or aqueous cleansing agents

7. Handling and storage

Handling :

Information for safe handling : Ensure good ventilation /exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire –and explosion protection : *Not applicable*

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Storage:

Requirements to be met by storerooms and receptacles : No special requirements.

Information about storage in one common storage facility : Not required .

Further information about storage conditions : Keep container tightly sealed.

8. Exposure controls / personal protection

Additional information about design of technical facilities : No further data; see item 7

Ingredients with limit values that require monitoring at the workplace :

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests 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, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles.

9. Physical and chemical properties

General Information
Form : Fluid
Colour : According to product specification
Odour : Characteristic

Change in condition Melting point /Melting range: Undermined Boiling point /Boiling range: 96 °C
Flash point : 23 °C
Ignition temperature :287 °C
Self-igniting : product is not selfigniting
Danger of explosion : Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
Explosion limits : Lower : 1.7 Vol % Upper: 13.5 Vol %
Vapour pressure at 20°C : 19 hpa
Density at 20°C: 0,85 g/cm ³
Solubility in /Miscibility with Water : Not miscible or difficult to mix
pH-value at 20°C:
Viscosity : Dynamic at 20°C : 3 mPas
Solvent contents : Organic solvents : 77.7%
Solids content : 6.7%

10. Stability and reactivity

Thermal decomposition / conditions to be avoided :

No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products : No dangerous decomposition products known..

11. Toxicological information

Acute toxicity :

Primary irritant effect :

On the skin No irritant effect.

On the eye : Strong irritant with the danger of severe eye injury

Sensitization: No sensitizing effects known

Additional toxicological information :

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Irritant

12. Ecological information

Ecotoxicological effects:

Remark: Harmful to fish

General notes

Water hazard class 1 (German Regulation) (Self-assessment) : hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Harmful to aquatic organisms

13. Disposal considerations

Product

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION ,SUPPLY AND USE(MFSU) OF COATINGS(PAINTS, VARNISHES AND VITREOUS ENAMELA),ADHESIVES,SEALANTS AND PRINTING INKS
08 01 00	Wastes from MFSU and removal of paint and varnish
08 01 13	Sludges from paint or varnish containing organic solvents or other dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

Land transport ADR/RID (cross – border)



ADR/RID class: 3 (F1) Flammable liquids.

Danger code (Kemler): 30

UN-Number: 1263

Packaging group: III

Hazard label 3

Description of goods: 1263 PAINT, (not viscous)

Maritime transport IMDG:

IMDG Class: 3

UN Number: 1263

Label 3

Packaging group: III

EMS Number: F-E,S-E

Marine pollutant: No

Proper shipping name: PAINT

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: _3

UN/ID Number: 1263

Label 3

Packaging group: III

Proper shipping name: PAINT

15. Regulatory information

Labeling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:



Xi Irritant

· Risk phrases:

10 Flammable.

41 Risk of serious damage to eyes.

67 Vapours may cause drowsiness and dizziness.

· Safety phrases:

23 Do not breathe vapour

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

39 Wear eye/face protection.

60 This material and its container must be disposed of as hazardous waste.

National regulations:

Technical instructions (air):

Class	Share in %
NK	77.7

Waterhazard class: Water hazard class 2(self – assessment): hazardous for water.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Safety Data Sheet

(According to 2006/1907/EC)

1. Identification of the Substance/Preparation/Company

Product details

Trade name: Permanent Ink / PP120 BLUE

Product type: EEMKCMBL05

Manufacturer /Supplier:

BEIFA GROUP CO., LTD.

No.298 Jiangnan(East) Road,Ningbo,China

Phone :86-574-86186793

Fax: 86-574-86155295

www.beifa.com

Further information obtainable from:

Technical service , Rosebort

TEL.:86-574-86186707

Mobile : 86-13958305853

Information in case of emergency:

TEL.:86-574-86186888

2. Composition /information on ingredients

Chemical characterization

Mixture of the following substances , containing non-hazardous substances and colouring agents.

Description : Mixture of substances listed below with nonhazardous additions

Dangerous components:				
EINECS/ELINCS	CAS	Common Name	Classification	Cone.
200-578-6	64-17-5	Industrial Methylated Spirits	F, Xn R11 R20/21/22 R68/20/21/22	70%
203-539-1	107-98-2	1-Methoxy-2-propanol	R 10	25%
215-409-1	1325-86-6	solvent blue 5	Xn R20 R21 R33	2%
219-232-0	2390-60-5	Basic blue 7	Xn R20/21/22 R33 R41 R51/53	2%
	various	Pigments, Resins, surfactants		1%

Additional information :For the wording of the listed risk phrases refer to section 16.

3. Hazards identification

Hazard description:



Xn Harmful

Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline

for preparations of the EU ” in the latest valid version.

Has a narcotizing effect.

R 10 Flammable.

R 41 Risk of serious damage to eyes.

R 67 Vapours may cause drowsiness and dizziness.

Classification system:

The classification is according to the latest editions of the EU-lists , and extended by company and literature data.

4. First –aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact : Generally the product does not irritate the skin.

After eye contact : Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: If symptoms persist consult doctor.

5. Fire –fighting measures

Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.

· For safety reasons unsuitable extinguishing agents:

Water

Water with full jet

Protective equipment: No special measure required .

6. Accidental release measure

Person –related safety precautions : Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Do not allow to enter sewers/ surface or ground water.

Measures for cleaning /collecting: Absorb with liquid-binding material (sand, diatomite, acid binders , universal binders , sawdust).

Ensure adequate ventilation

Do not flush with water or aqueous cleansing agents

7. Handling and storage

Handling :

Information for safe handling : Ensure good ventilation /exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire –and explosion protection : *Not applicable*

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Storage:

Requirements to be met by storerooms and receptacles : No special requirements.

Information about storage in one common storage facility : Not required .

Further information about storage conditions : Keep container tightly sealed.

8. Exposure controls / personal protection

Additional information about design of technical facilities : No further data; see item 7

Ingredients with limit values that require monitoring at the workplace :

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests 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, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles.

9. Physical and chemical properties

General Information
Form : Fluid
Colour : According to product specification
Odour : Characteristic

Change in condition Melting point /Melting range: Undermined Boiling point /Boiling range: 96 °C
Flash point : 23 °C
Ignition temperature :287 °C
Self-igniting : product is not selfigniting
Danger of explosion : Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits : Lower : 1.7 Vol % Upper: 13.5 Vol %
Vapour pressure at 20°C : 19 hpa
Density at 20°C: 0,85 g/cm ³
Solubility in /Miscibility with Water : Not miscible or difficult to mix
pH-value at 20°C:
Viscosity : Dynamic at 20°C : 3 mPas
Solvent contents : Organic solvents : 77.7%
Solids content: 6.7%

10. Stability and reactivity

Thermal decomposition / conditions to be avoided :

No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products : No dangerous decomposition products known..

11. Toxicological information

Acute toxicity :

Primary irritant effect :

On the skin No irritant effect.

On the eye : Strong irritant with the danger of severe eye injury

Sensitization: No sensitizing effects known

Additional toxicological information :

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Irritant

12. Ecological information

Ecotoxicological effects:

Remark: Harmful to fish

General notes

Water hazard class 1 (German Regulation) (Self-assessment) : hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Harmful to aquatic organisms

13. Disposal considerations

Product

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION ,SUPPLY AND USE(MFSU) OF COATINGS(PAINTS, VARNISHES AND VITREOUS ENAMELA),ADHESIVES,SEALANTS AND PRINTING INKS
08 01 00	Wastes from MFSU and removal of paint and varnish
08 01 13	Sludges from paint or varnish containing organic solvents or other dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

Land transport ADR/RID (cross – border)



ADR/RID class: 3 (F1) Flammable liquids.

Danger code (Kemler):30

UN-Number: 1263

Packaging group: III

Hazard label 3

Description of goods: 1263 PAINT, (not viscous)

Maritime transport IMDG:

IMDG Class: 3

UN Number: 1263

Label3

Packaging group: III

EMS Number: F-E,S-E

Marine pollutant:No

Proper shipping name: PAINT

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: _3

UN/ID Number: 1263

Label3

Packaging group: III

Proper shipping name: PAINT

15. Regulatory information

Labeling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:



Xi Irritant

· Risk phrases:

10 Flammable.

41 Risk of serious damage to eyes.

67 Vapours may cause drowsiness and dizziness.

· Safety phrases:

23 Do not breathe vapour

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

39 Wear eye/face protection.

60 This material and its container must be disposed of as hazardous waste.

National regulations:

Technical instructions (air):

Class	Share in %
NK	77.7

Waterhazard class: Water hazard class 2(self – assessment): hazardous for water.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Safety Data Sheet

(According to 2006/1907/EC)

1. Identification of the Substance/Preparation/Company

Product details

Trade name: Permanent Ink / PP120 RED

Product type: EEMKCMRD05

Manufacturer /Supplier:

BEIFA GROUP CO., LTD.

No.298 Jiangnan(East) Road,Ningbo,China

Phone :86-574-86186793

Fax: 86-574-86155295

www.beifa.com

Further information obtainable from:

Technical service , Rosebort

TEL.:86-574-86186707

Mobile : 86-13958305853

Information in case of emergency:

TEL.:86-574-86186888

2. Composition /information on ingredients

Chemical characterization

Mixture of the following substances , containing non-hazardous substances and colouring agents.

Description : Mixture of substances listed below with nonhazardous additions

Dangerous components:				
EINECS/ELINCS	CAS	Common Name	Classification	Cone.
200-578-6	64-17-5	Industrial Methylated Spirits	F, Xn R11 R20/21/22 R68/20/21/22	70%
203-539-1	107-98-2	1-Methoxy-2-propanol	R 10	25%
213-584-9	989-38-8	basic red 1	Xn R20 R21 R33	2%
281-435-5	83949-75-1	basic yellow 51	Xn R20/21/22 R33 R41 R51/53	2%
	various	Pigments, Resins, surfactants		1%

Additional information :For the wording of the listed risk phrases refer to section 16.

3. Hazards identification

Hazard description:



Xn Harmful

Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline

for preparations of the EU ” in the latest valid version.

Has a narcotizing effect.

R 10 Flammable.

R 41 Risk of serious damage to eyes.

R 67 Vapours may cause drowsiness and dizziness.

Classification system:

The classification is according to the latest editions of the EU-lists , and extended by company and literature data.

4. First –aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact : Generally the product does not irritate the skin.

After eye contact : Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: If symptoms persist consult doctor.

5. Fire –fighting measures

Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.

· For safety reasons unsuitable extinguishing agents:

Water

Water with full jet

Protective equipment: No special measure required .

6. Accidental release measure

Person –related safety precautions : Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Do not allow to enter sewers/ surface or ground water.

Measures for cleaning /collecting: Absorb with liquid-binding material (sand, diatomite, acid binders , universal binders , sawdust).

Ensure adequate ventilation

Do not flush with water or aqueous cleansing agents

7. Handling and storage

Handling :

Information for safe handling : Ensure good ventilation /exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire –and explosion protection : *Not applicable*

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Storage:

Requirements to be met by storerooms and receptacles : No special requirements.

Information about storage in one common storage facility : Not required .

Further information about storage conditions : Keep container tightly sealed.

8. Exposure controls / personal protection

Additional information about design of technical facilities : No further data; see item 7

Ingredients with limit values that require monitoring at the workplace :

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests 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, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles.

9. Physical and chemical properties

General Information
Form : Fluid
Colour : According to product specification
Odour : Characteristic

Change in condition Melting point /Melting range: Undermined Boiling point /Boiling range: 96 °C
Flash point : 23 °C
Ignition temperature :287 °C
Self-igniting : product is not selfigniting
Danger of explosion : Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits : Lower : 1.7 Vol % Upper: 13.5 Vol %
Vapour pressure at 20°C : 19 hpa
Density at 20°C: 0,85 g/cm ³
Solubility in /Miscibility with Water : Not miscible or difficult to mix
pH-value at 20°C:
Viscosity : Dynamic at 20°C : 3 mPas
Solvent contents : Organic solvents : 77.7%
Solids content : 6.7%

10. Stability and reactivity

Thermal decomposition / conditions to be avoided :

No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products : No dangerous decomposition products known..

11. Toxicological information

Acute toxicity :

Primary irritant effect :

On the skin No irritant effect.

On the eye : Strong irritant with the danger of severe eye injury

Sensitization: No sensitizing effects known

Additional toxicological information :

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Irritant

12. Ecological information

Ecotoxicological effects:

Remark: Harmful to fish

General notes

Water hazard class 1 (German Regulation) (Self-assessment) : hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Harmful to aquatic organisms

13. Disposal considerations

Product

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

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08 01 00	Wastes from MFSU and removal of paint and varnish
08 01 13	Sludges from paint or varnish containing organic solvents or other dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

Land transport ADR/RID (cross – border)



ADR/RID class: 3 (F1) Flammable liquids.

Danger code (Kemler):30

UN-Number: 1263

Packaging group: III

Hazard label 3

Description of goods: 1263 PAINT, (not viscous)

Maritime transport IMDG:

IMDG Class: 3

UN Number: 1263

Label3

Packaging group: III

EMS Number: F-E,S-E

Marine pollutant:No

Proper shipping name: PAINT

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: _3

UN/ID Number: 1263

Label 3

Packaging group: III

Proper shipping name: PAINT

15. Regulatory information

Labeling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:



Xi Irritant

· Risk phrases:

10 Flammable.

41 Risk of serious damage to eyes.

67 Vapours may cause drowsiness and dizziness.

· Safety phrases:

23 Do not breathe vapour

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

39 Wear eye/face protection.

60 This material and its container must be disposed of as hazardous waste.

National regulations:

Technical instructions (air):

Class	Share in %
NK	77.7

Waterhazard class: Water hazard class 2(self – assessment): hazardous for water.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Safety Data Sheet

(According to 2006/1907/EC)

1. Identification of the Substance/Preparation/Company

Product details

Trade name: Permanent Ink / PP120 GREEN

Product type: EEMKCMGR06

Manufacturer /Supplier:

BEIFA GROUP CO., LTD.

No.298 Jiangnan(East) Road,Ningbo,China

Phone :86-574-86186793

Fax: 86-574-86155295

www.beifa.com

Further information obtainable from:

Technical service , Rosebort

TEL.:86-574-86186707

Mobile : 86-13958305853

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Chemical characterization

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203-539-1	107-98-2	1-Methoxy-2-propanol	R 10	25%
251-403-5	33203-82-6	basic blue 3	Xn R20 R21 R33	2%
281-435-5	83949-75-1	basic yellow 51	Xn R20/21/22 R33 R41 R51/53	2%
	various	Pigments, Resins, surfactants		1%

Additional information :For the wording of the listed risk phrases refer to section 16.

3. Hazards identification

Hazard description:



Xn Harmful

Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU ” in the latest valid version.

Has a narcotizing effect.

R 10 Flammable.

R 41 Risk of serious damage to eyes.

R 67 Vapours may cause drowsiness and dizziness.

Classification system:

The classification is according to the latest editions of the EU-lists , and extended by company and literature data.

4. First –aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact : Generally the product does not irritate the skin.

After eye contact : Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: If symptoms persist consult doctor.

5. Fire –fighting measures

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

· For safety reasons unsuitable extinguishing agents:

Water

Water with full jet

Protective equipment: No special measure required .

6. Accidental release measure

Person –related safety precautions : Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Do not allow to enter sewers/ surface or ground water.

Measures for cleaning /collecting: Absorb with liquid-binding material (sand, diatomite, acid binders , universal binders , sawdust).

Ensure adequate ventilation

Do not flush with water or aqueous cleansing agents

7. Handling and storage

Handling :

Information for safe handling : Ensure good ventilation /exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire –and explosion protection : *Not applicable*

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Storage:

Requirements to be met by storerooms and receptacles : No special requirements.

Information about storage in one common storage facility : Not required .

Further information about storage conditions : Keep container tightly sealed.

8. Exposure controls / personal protection

Additional information about design of technical facilities : No further data; see item 7

Ingredients with limit values that require monitoring at the workplace :

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests 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, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles.

9. Physical and chemical properties

General Information
Form : Fluid
Colour : According to product specification

Odour : Characteristic
Change in condition Melting point /Melting range: Undermined Boiling point /Boiling range: 96 °C
Flash point : 23 °C
Ignition temperature :287 °C
Self-igniting : product is not selfigniting
Danger of explosion : Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits : Lower : 1.7 Vol % Upper: 13.5 Vol %
Vapour pressure at 20°C : 19 hpa
Density at 20°C: 0,85 g/cm ³
Solubility in /Miscibility with Water : Not miscible or difficult to mix
pH-value at 20°C:
Viscosity : Dynamic at 20°C : 3 mPas
Solvent contents : Organic solvents : 77.7%
Solids content: 6.7%

10. Stability and reactivity

Thermal decomposition / conditions to be avoided :

No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products : No dangerous decomposition products known..

11. Toxicological information

Acute toxicity :

Primary irritant effect :

On the skin No irritant effect.

On the eye : Strong irritant with the danger of severe eye injury

Sensitization: No sensitizing effects known

Additional toxicological information :

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Irritant

12. Ecological information

Ecotoxicical effects:

Remark: Harmful to fish

General notes

Water hazard class 1 (German Regulation) (Self-assessment) : hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Harmful to aquatic organisms

13. Disposal considerations

Product

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European wast catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION ,SUPPLY AND USE(MFSU) OF COATINGS(PAINTS, VARNISHES AND VITREOUS ENAMELA),ADHESIVES,SEALANTS AND PRINTING INKS
08 01 00	Wastes from MFSU and removal of paint and varnish
08 01 13	Sludges from paint or varnish containing organic solvents or other dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

Land transport ADR/RID (cross – border)



ADR/RID class: 3 (F1) Flammable liquids.

Danger code (Kemler):30

UN-Number: 1263

Packaging group: III

Hazard label 3

Description of goods: 1263 PAINT, (not viscous)

Maritime transport IMDG:

IMDG Class: 3

UN Number: 1263

Label3

Packaging group: III

EMS Number: F-E,S-E

Marine pollutant:No

Proper shipping name: PAINT

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: _3

UN/ID Number: 1263

Label3

Packaging group: III

Proper shipping name: PAINT

15. Regulatory information

Labeling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:



Xi Irritant

· Risk phrases:

10 Flammable.

41 Risk of serious damage to eyes.

67 Vapours may cause drowsiness and dizziness.

· Safety phrases:

23 Do not breathe vapour

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

39 Wear eye/face protection.

60 This material and its container must be disposed of as hazardous waste.

National regulations:

Technical instructions (air):

Class	Share in %
NK	77.7

Waterhazard class: Water hazard class 2(self – assessment): hazardous for water.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.