DONGGUAN COWINT NEW MATERIAL TECHNOLOGY CO.,LTD
No.2,West Industrial Road of Jiaoli,Zhongtang Town,Dongguan
Tel: +86-769-88882603 Web:www.cowint.com
E-mail: info@cowint.com

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Safety data sheet

1907/2006/EC,1272/2008/EC

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

1.1 Product identifier

Name：CTA-F31 Fixing Agent

Article: CTA-F31

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

Application of the supplier of the substance or mixture: Printing material

1.3 Details of the supplier of the safety data sheet

Manufacturer/supplier: DONGGUAN COWINT NEW MATERIAL TECHNOLOGY CO.,LTD

Full address: No.2, West Industrial Road of Jiaoli,Zhongtang Town,Dongguan.

Phone number: +86-769-88882603 E-mail:info@cowint.com

Only representative /other EU contact point:Not available

Further information obtainable from: DONGGUAN COWINT NEW MATERIAL TECHNOLOGY CO.,LTD

1.4 Emergency number:+86-769-83185444

SECTION 2: Components/ information on ingredients

2.1 Mixtures:

Description:

Composition	Content （%）	CAS NO
Trimethylolpropane-tris[3-(2-methylaziridine)propionate]	100%	64265-57-2

All ingredients listed above are not classified according to Regulation 1272/2008 EC

SECTION 3: Hazards identification

3.***1 GHS dangerous categories:***

According to regulation (EC) 1272/2008 CLP/GHS classification

No provisions

According to the classification of directive 1999/45 / EC (DPD)

3.2 The European

This article based on the provisions of directive 1999/45 / EC and its revision is not classified as dangerous goods.

Classification: *no rules.*

3.3 Tag elements:

Dangerous pictographic sign: *no.*

Warning: *no signal words.*

Risk: *no obvious known role or a serious risk.*

General: *not applicable*

Precaution: *do not apply*

Incident response: *not applicable*

Storage: *not applicable*

Waste disposal: *do not apply*

Dangerous symbol:

3.4 Danger:

Dangerous terms: *this kind of product is not classified according to eu regulations.*

Security terms: *not applicable*

Supplement tag elements: *not applicable*

Environmental hazards: *the water and soil can cause some pollution.*

SECTION 4: First aid measures

4.1 Body touch : *Take off pollution of dress, with plenty of liquid water thoroughly flushed or use the detergent, wash. If you have burned, medical treatment.*

4.2 Eyes touch: *Immediately opened the upper eyelid, irrigate with flowing water for at least 15 minutes. Use eye drops or go to a doctor.*

4.3 Breathe in : *To inhale dangerous product steam will not. If inhaled, quickly leave the scene to fresh air place, keep respiratory tract unobstructed, if breathing difficulties increase oxygen, if respiratory arrest, artificial respiration immediately.*

4.4 Eat : *When patients awake to drink plenty of warm water, vomiting, go to a doctor immediately.*

SECTION 5: Firefighting measures

5.1 Dangerous characteristic: *no corrosive. No special burning explosion properties.*

5.2 Hazardous combustion products: *natural decomposition product unknown.*

5.3 Fire extinguishing methods: *fog water and carbon dioxide fire extinguisher, dry powder, sand,.*

SECTION 6: Accidental release treatment

6.1 Leaking disposal: *processing staff wear protective taking cleaning tools in the collection of leakage into the soluble device, unified to the disposal of waste treatment.*

6.2 Protective measures: *strongly confined, to provide adequate local exhaust. Emergency rescue or evacuation, suggest to wear self-contained breathing apparatus, chemical safety protective glasses, wear appropriate work clothes, wear resistant chemical glove. Job site no smoking, eating and drinking, after work, clean thoroughly. Clothes don't to the workplaces, separately store contaminated clothing, reoccupy after washing.*

SECTION 7: Handing and storage

7.1 Operation note: *airtight operation, strengthen ventilated. Operators must receive special training, strictly abide by the operation procedures. Suggest operators wear self-priming filter type dust mask, wearing chemical safety protective glasses, wear generally work overalls, wear rubber gloves.in the transportation ,be careful in handling to prevent damage to packaging and container.*

7.2 Storage precautions: *store in a cool, ventilated warehouse, away from fire and heat source. Should be separated from other goods stored. Storage area should be equipped with the right material for leakage.*

SECTION 8: Exposure control/personal protection

8.1 Engineering control: *closed production system, production environment to strengthen ventilated.*

8.2 Respiratory protection: *dust concentration in air exceeds bid, must wear self-priming filter type dust mask. Emergency rescue or evacuation, air breathing apparatus should be worn.*

8.3 Eye protection: *wear chemical safety goggles.*

8.4 Body protection: *wear overalls.*

8.5 Hand protection: *wear safely gloves.*

8.6 Other protection: *change and wash clothes in time. To maintain good health habits.*

SECTION 9: Physical and chemical properties

9.1 Appearance and properties: liquid yellow transparent

9.2 Solubility: *soluble in water.*

9.3 PH *=8-9*

9.4 Viscosity： *measurement*

9.5 Main use: *textile printing auxiliary materials.*

SECTION 10: Stability and reactivity

10.1 Stability: *stable*

Harmful reaction: *no harmful reaction was observed.*

Polymerization of polymerization: *product will not occur polymerization reactive.*

SECTION 11: Toxicological information

This product is no toxicological research data available.
According to the components of similar products speculate that acute oral toxicity LD50 (rat) > 2000 mg/kg.
Weak stimulus are expected eyes. not stimulus for skin.
Here are the ingredients of toxicology data.
11.1 Acute toxicity
Acute oral toxicity： *Half lethal dose (LD50) rat > 5000 mg/kg*
Acute skin poisoning: *half lethal dose (LD50) rabbit > 5000 mg/kg*
Acute respiratory poisoning: *countless according to the data*
11.2 The specific content of limit
The following data represents the unknown toxic ingredients percentage.
Corrosion/stimulate skin: *the rabbit can cause short-term stimulus*
Serious eye injury/eye stimulation: *not stimulate rabbit eyes*
Allergenic: *countless according to the data*
Carcinogenicity: *countless according to the data*
Germ cell respectively: *countless according to the data*
Teratogenicity: *countless according to the data*
Aimed at the target organ system toxicity (single exposure)
Inhalation: *no data*
11.3 Skin:
long or repeated skin contact may lead to the following questions: *Mild stimulation*
11.4 Eyes:
direct contact with the material may cause the following problems: *Mild stimulation*
Aimed at the target organ system toxicity (multiple exposure) : countless according to the data
Inhalation hazard: *countless according to the data*

SECTION 12: Ecological information

12.1 *Soluble in water, easy to produce water pollution but the fish and water plant will not cause harm.*
The acute toxicity of water body
The acute toxicity of fish: *countless according to the data*
The acute toxicity of aquatic invertebrates: *countless according to the data*
The acute toxicity of Algae: *countless according to the data*
Of the bacteria toxicity: *countless according to the data*

12.2 The specific content of limit
The following data represents the unknown toxic ingredients percentage.
Chronic toxicity of water
The chronic toxicity of fish: *countless according to the data*
Chronic toxicity of aquatic invertebrates: *countless according to the data*
Soil habitat biological toxicity: *countless according to the data*
Terrestrial plants toxicity: *countless according to the data*

Other terrestrial non-lactating biological toxicity: *countless according to the data*

12.3 Persistence and degradability Biodegradability:
Method : *OECD 301 F*
BOD 28 60 - 65 %
Method : *OECD 302 B*
COD decrease, If regulations are followed when introducing effluent into biological waste water treatment plants, no adverse effect on the degradation activity of activated sludge is to be expected., OECD 301 F - the 10 - days-window will be reached
Behaviour in environmental
compartments:
not determined
Dissolved Organic carbon (DOC) : *not determined*
Chemical oxygen demand (COD) : *281 mg/g*
Biochemical oxygen demand (BOD5): *109 mg/g*
Physical - chemical can remove sex: *countless according to the data*

12.4 The potential biological cumulative
Biological enrichment or cumulative: *countless according to the data*

12.5 Mobility in the soil
Octanol/water partition coefficient of numerical: *countless according to the data*
In various environmental segmentation in space distribution: *countless according to the data*
Outcome and behavior in the environment: *countless according to the data*

SECTION 13: Disposal considerations

13.1 Waste properties: *have certain influence to the environment*

13.2 Waste disposal method: *gradually add ferrous chloride and lime and condensation emulsions. Clear supernatant liquid,pour into chemical sewage pool.If to deal with, should be in accordance with state, local or provincial regulations burn or bury in the licensed facilities.*

13.3 Abandoned notice: *as far as possible will empty container (for example by dumping, scratches or drained until the "drain"), according to the existing chemical industry's recovery plan sent to the appropriate collection point. Containers should be in accordance with the relevant national laws and environmental laws and regulations for recycling.*

SECTION 14: Transport information

14.1 Packaging categories: *general chemical packaging*

14.2 Packing method: *50 kg.*

14.3 Shipping notice: *packing should be full of actual loading should be stable. Transportation process to*

ensure that the container does not leak, collapse, fall, and not damaged. It is strictly prohibited during mixed with food chemicals in transportation. Transit should prevent insolation, drench. Banning the use of easy to produce the spark of loading and unloading machinery and tools.

14.4 Transport rules： *Not restricted in IATA DGR.*

SECTION 15: Regulatory information

Regulatory information: applicable laws:not the dangerous chemicals, Conform to the environment protection.

SECTION 16: Other information

The safety specifications provide information only as a safe operation, use, processing, storage, transportation, and disposal of guidance, and cannot be considered a guarantee or quality indicators, this information applies only to the specified product, for this product with other material mixing and combination is not applicable to any process, unless specified indicate.