

SAFETY DATA SHEET

CL ETC 11 Universal Primer

DRAFT – NOT FOR ISSUE. Fields marked [TBC] must be completed from formulation and supplier data, and the classification verified by a competent person, before this sheet is released.

Version no.	V1.0
Report no.	Technical data sheet CL-TDS-ETC-11
Date of preparation	2026-10-02
Date of revision	-
Prepared in accordance with	GB/T 17519-2013 and GB/T 16483-2008
Document no.	CL-SDS-ETC-11 (ENG)
Revision no.	Rev 01
Revision date	2026-10-02
Supersedes	[Previous revision, or "None"]

SECTION 1: Identification of the Chemical and the Company

Product Identification

Product name	CL ETC 11 Universal Primer
Local-language product name	[If any]
Product code	CL ETC 11
Product type	Mixture / trade product (single component)
CAS no.	Not applicable (mixture)
EC no.	Not applicable (mixture)
Molecular formula	Not applicable (mixture)

Recommended Use and Restrictions on Use

Recommended use	Single-component acrylic primer for smooth metal substrates (stainless steel, galvanized sheet, aluminum) and general carbon steel
Restrictions on use	Industrial use, according to the manufacturer's direction / label. [TBC: uses advised against]

Company Identification

Manufacturer / supplier	Hebei Ruian Tiandi New Materials Co., Ltd.
Address	East of Donghuan Road, East District of the Economic Development Zone, Boye County, Baoding City, Hebei Province, China
Postal code	071300
Telephone	15531297869
Fax	—
Email / website	18911368888@163.com

Emergency Contact Telephone

Emergency contact	010-83839119
-------------------	--------------

SECTION 2: Hazards Identification

Emergency Overview

[Physical state; main physical and health hazards in one or two lines]

GHS Hazard Categories

[Classification basis, e.g. "The following classification is based on GB 30000.2-2013 through GB 30000.29-2013"]

Hazard class	Category
[Hazard class]	[Category]
[Hazard class]	[Category]

GHS Label Elements

Hazard symbol (pictogram)	[Insert GHS pictograms]
Signal word	[DANGER / WARNING]

Hazard Statements

Code	Statement
[H__]	[Statement]
[H__]	[Statement]

Precautionary Statements

Prevention

Code	Statement
[P__]	[Statement]

Response

Code	Statement
[P__]	[Statement]

Storage

Code	Statement
[P__]	[Statement]

Disposal

Code	Statement
[P501]	[Statement]

Description of Other Hazards

Physical and Chemical Hazards

[TBC]

Health Hazards

Inhalation	[TBC]
Ingestion	[TBC]
Skin contact	[TBC]
Eyes	[TBC]

Environmental Hazards

[TBC]

SECTION 3: Composition / Information on Ingredients

Substance / Mixture

[Mixture / substance]

Component	CAS no.	EC no.	Concentration (wt %)
[Component]	[CAS no.]	[EC no.]	[__ - __]
[Component]	[CAS no.]	[EC no.]	[__ - __]

SECTION 4: First-Aid Measures**Description of First-Aid Measures**

General advice	First-aid treatment is normally required. Show this SDS to the attending physician.
Eye contact	Avoid contact with eyes; if contact occurs, rinse immediately with clean water. [TBC: rinse duration and medical advice]
Skin contact	Avoid contact with skin; if contact occurs, rinse immediately with water. [TBC: removal of clothing, persistent irritation]
Ingestion	[TBC]
Inhalation	[TBC]
Protection of first aiders	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves and prevent spread of contamination.

Most Important Symptoms and Health Effects

[TBC]

Advice for Protection of First Responders

[TBC]

Special Notes for Physicians

[TBC]

SECTION 5: Fire-Fighting Measures**Extinguishing Media**

Suitable extinguishing media	[TBC]
Unsuitable extinguishing media	[TBC]

Special Hazards Arising from the Substance or Mixture

[TBC]

Precautions for Fire-Fighting and Protective Measures

[TBC]

SECTION 6: Accidental Release Measures**Personal Precautions, Protective Equipment and Emergency Procedures**

[TBC]

Environmental Precautions

[TBC]

Methods and Materials for Containment and Cleaning Up

[TBC]

Preventive Measures Against Secondary Hazards

[TBC]

SECTION 7: Handling and Storage**Handling**

1. Maintain ventilation during application.
2. Wear a mask, gloves and protective clothing.
3. Avoid contact with eyes and skin.
4. Keep out of reach of children.
5. [TBC: ignition-source controls]

Storage

1. Store in a cool, dry, well-ventilated place at 5–30 °C, away from fire and heat sources.
2. Protect from sunlight and freezing; do not stack in the open air.
3. Shelf life: 12 months in original sealed container.

SECTION 8: Exposure Controls and Personal Protection

Control Parameters

Occupational exposure limits	[Per ingredient, or "No relevant limits established"]
Biological limits	[TBC]

Monitoring Methods

[TBC]

Engineering Controls

Maintain ventilation during application. [TBC: exhaust ventilation requirement]

Personal Protective Equipment

PPE: general requirements	[TBC]
Eye protection	[TBC]
Hand protection	Wear gloves. [TBC: glove material and breakthrough time]
Respiratory protection	Wear a mask. [TBC: respirator type / filter]
Skin and body protection	Wear protective clothing.

SECTION 9: Physical and Chemical Properties

Appearance	Liquid. Colors: Iron Red, Medium Gray (from technical data sheet)
Odor	Mild odor (from technical data sheet)
Odor threshold	[TBC]
pH	[TBC]
Melting point / freezing point	[] °C]
Initial boiling point and boiling range	[] °C]
Flash point (closed cup)	[] °C]
Evaporation rate	[TBC]
Flammability	[TBC]
Upper / lower explosive limit	[TBC]
Vapor pressure	[TBC]
Vapor density (air = 1)	[TBC]
Relative density (water = 1)	[]
Solubility	[TBC]
Octanol/water partition coefficient	[TBC]
Auto-ignition temperature	[] °C]
Decomposition temperature	[TBC]
Kinematic viscosity	[TBC]

SECTION 10: Stability and Reactivity

Reactivity	[TBC]
Chemical stability	[TBC]

Possibility of hazardous reactions	[TBC]
Conditions to avoid	[TBC]
Incompatible materials	[TBC]
Hazardous decomposition products	[TBC]

SECTION 11: Toxicological Information

Acute Toxicity

Component	LD50 oral	LD50 dermal	LC50 inhalation (4 h)
[Component]	[__ mg/kg (species)]	[__ mg/kg (species)]	[__ mg/L]

Carcinogenicity

Component	IARC carcinogen classification	NTP carcinogen report
[Component]	[Listed / Not listed]	[Listed / Not listed]

Other Information

Skin corrosion / irritation	[TBC]
Serious eye damage / irritation	[TBC]
Skin sensitization	[TBC]
Respiratory sensitization	[TBC]
Reproductive toxicity	[TBC]
STOT – single exposure	[TBC]
STOT – repeated exposure	[TBC]
Aspiration hazard	[TBC]
Germ cell mutagenicity	[TBC]

SECTION 12: Ecological Information

Acute Aquatic Toxicity

Component	Fish	Crustacea	Algae / aquatic plants
[Component]	[LC50 __ mg/L (96 h)]	[EC50 __ mg/L (48 h)]	[ErC50 __ mg/L (72 h)]

Chronic Aquatic Toxicity

[TBC]

Persistence and Degradability

Component	Persistence (water / soil)	Persistence (air)
[Component]	[Low / High]	[Low / High]

Bioaccumulative Potential

Component	Bioaccumulation potential	Remarks
[Component]	[Low / High]	[e.g. Log Kow]

Mobility in Soil

Component	log Koc	Remarks
[Component]	[__]	[Temperature]

Results of PBT and vPvB Assessment

Component	PBT / vPvB assessment result
[Component]	[Result]

SECTION 13: Disposal Considerations

Waste from residues	Dispose of waste paint and solvents in accordance with industrial hazardous waste regulations. [TBC: waste code]
Contaminated packaging	[TBC]
Disposal precautions	[TBC]

SECTION 14: Transport Information

Labels and markings	[TBC]
Sea transport (IMDG)	[UN no. / class / packing group / marine pollutant, or "Not regulated as dangerous goods"]
Air transport (IATA-DGR)	[UN no. / class / packing group, or "Not regulated as dangerous goods"]
Road transport	[UN no. / class / packing group, or "Not regulated as dangerous goods"]
Transport precautions	Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: Regulatory Information

International Chemical Inventories

Component	A	B	C	D	E	F	G	H	I	J	K	L	M
[Component]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]

A: China Inventory of Existing Chemical Substances (IECSC)
B: EC Inventory
C: US Toxic Substances Control Act Inventory (TSCA)
D: Canada Domestic Substances List (DSL)
E: New Zealand Inventory of Chemicals (NZIoC)
F: Philippine Inventory of Chemicals and Chemical Substances (PICCS)
G: Korea Existing Chemicals List (KECL)
H: Australian Inventory of Industrial Chemicals (AIIC)
I: Japan Existing and New Chemical Substances (ENCS)
J: Thailand Existing Chemical Inventory (TECI)
K: Mexico National Chemical Inventory (INSQ)
L: Russia Existing Substances Inventory (DRAFT)
M: Taiwan (China) Chemical Substance Inventory (TCSI)

International Convention Controlled Substances

Component	A	B	C
[Component]	[TBC]	[TBC]	[TBC]

A: Montreal Protocol on Substances that Deplete the Ozone Layer
B: Stockholm Convention on Persistent Organic Pollutants (POPs)
C: Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade

China Chemical Management Inventories

Component	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
[Component]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]	[TBC]

A: Catalogue of Hazardous Chemicals (2015 Edition), jointly issued by the former State Administration of Work Safety and nine other ministries, Announcement No. 5 [2015]
B: China Catalog of Severely Restricted Toxic Chemicals, Ministry of Ecology and Environment / MOFCOM / GACC Announcement No. 32 [2023]
C: China Catalogue of Controlled Ozone-Depleting Substances for Import and Export (2021 Edition), MEE Announcement No. 50 [2021]
D: Catalogue of Hazardous Chemicals Subject to Priority Regulation (Batches 1 and 2), former SAWS Notice No. 95 [2011] and No. 12 [2013]
E: Catalogue of Hazardous Chemicals Subject to Key Environmental Management, former Ministry of Environmental Protection General Office, Document No. 33 [2014]
F: Catalogue of Monitored Chemicals of Various Categories, MIIT Order No. 52 [2020]
G: Priority Control Chemicals List (Batch 1), former Ministry of Environmental Protection / MIIT / former National Health and Family Planning Commission Announcement No. 83 [2017]
H: Catalogue of Specially Regulated Hazardous Chemicals (1st Edition), Ministry of Emergency Management / MIIT / Ministry of Public Security / Ministry of Transport Announcement No. 1 [2020]
I: List of Toxic and Hazardous Water Pollutants (Batches 1 and 2), MEE Announcement No. 28 [2019] and No. 15 [2025]
J: Catalogue of Highly Toxic Substances, former Ministry of Health Document No. 142 [2003]
K: Catalogue of Explosive Precursor Hazardous Chemicals (2017 Edition), Ministry of Public Security Announcement, May 11, 2017
L: Catalogue of Narcotic and Psychotropic Pharmaceutical Substances, National Medical Products Administration Announcement No. 55 [2025]
M: Classification and Catalogue of Precursor Chemicals, State Council Order No. 445 [2005] and subsequent amendments
N: Catalogue for Import and Export Administration of Precursor Chemicals, MOFCOM Order No. 7 [2006]
O: Catalogue for International Verification and Administration of Precursor Chemicals, MOFCOM / Ministry of Public Security Order No. 8 [2006]

Note: "\/" indicates the substance is listed under the regulation; "x" indicates no data available or not listed.

SECTION 16: Other Information

Revision Information

Date of preparation	2026-10-02
Date of revision	-
Reason for revision	-

References

Century Lion technical data sheet CL-TDS-ETC-11

Abbreviations

Abbr.	Meaning	Abbr.	Meaning
CAS	Chemical Abstracts Service	UN	United Nations
PC-STEL	Permissible Concentration – Short Term Exposure Limit	OECD	Organisation for Economic Co-operation and Development
PC-TWA	Permissible Concentration – Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods Code
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No-Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No-Effect Concentration	IATA	International Air Transport Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC50	Lethal Concentration, 50%	NFPA	National Fire Protection Association
LD50	Lethal Dose, 50%	NTP	National Toxicology Program
EC50	Effective Concentration causing 50% response	PBT	Persistent, Bioaccumulative and Toxic substance
ECx	Concentration causing x% response	vPvB	very Persistent, very Bioaccumulative substance
POW	Octanol/Water Partition Coefficient	CMR	Carcinogenic, Mutagenic or toxic for Reproduction
BCF	Bioconcentration Factor	RPE	Respiratory Protective Equipment
ED	Endocrine Disruptor		

Disclaimer

This Safety Data Sheet is formatted in accordance with the requirements of China national standards GB/T 16483-2008 and GB/T 17519-2013. Data are sourced from internationally recognized databases and information submitted by the company; other information is based on the knowledge currently available to the company. Every effort has been made to ensure the accuracy of the information contained herein; however, due to the diversity of information sources and the limitations of the company's knowledge, this document is provided for reference purposes only. Users of this Safety Data Sheet should exercise their own judgment as to the suitability of the information for their intended purpose. The company accepts no liability for any damage arising from the handling, storage, use, or disposal of this product.

Hebei Ruian Tiandi New Materials Co., Ltd.

East of Donghuan Road, East District of the Economic Development Zone, Boye County, Baoding City, Hebei Province, China (postal code 071300)

Tel: 15531297869 Email: 18911368888@163.com Emergency: 010-83839119