SAFETY DATA SHEET

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name Cleaning 5100

UN/ID no UN1210

Recommended use Cleaning solution

Company
Inkminic Logo Technology
(Guangzhou) Co., Ltd

Emergency telephone number
AMBIPAR: 020-32954560 (24 Hours)

Section 2: HAZARDS IDENTIFICATION

EU - GHS Substance Classification

Serious eye damage/ eye irritation	Category 2
Flammable liquids	Category 2

Label elements

Signal word Danger

Hazard statements
H319 - Causes serious eye irritation

H225 - Highly flammable liquid and vapor

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/ protective clothing/ eye protection/ face protection
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Keep container tightly closed
Ground/ bond container and receiving equipment
Use explosion- proof electrical/ ventilating/ lighting/ equipment
Use only non- sparking tools
Take precautionary measures against static discharge

Skin
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower

Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/ attention

Fire
In case of fire: Use CO_2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store in a well- ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of contents/ container to an approved waste disposal plant

Other information
•May cause drowsiness or dizziness

Section 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical nature Preparation

Chemical Name	CAS- No	Weight %
Methyl ethyl ketone	78-93-3	90 - 100
Acetone	67-64- 1	5 - 10

Section 4: FIRST AID MEASURES

Description of first aid measures

General Advice Call 911 or emergency medical service Immediate medical attention is required Show this safety data sheet to the doctor in attendance If symptoms persist, call a physician

Inhalation Move to fresh air If symptoms persist, call a physician Move to fresh air in case of accidental inhalation of vapors

Skin Contact Wash off immediately with plenty of water Immediate medical attention is not required Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes If skin irritation persists, call a physician

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes If symptoms persist, call a physician Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician Immediately flush with plenty of water Keep eye wide open while rinsing

Ingestion Rinse mouth Drink plenty of water Do NOT induce vomiting Clean mouth with water and afterwards drink plenty of water Never give anything by mouth to an unconscious person Consult a physician

Most Important Symptoms/ Effects Irritating to eyes Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product

Protection of First-aiders	Remove all sources of ignition Use personal protective equipment
Notes to Physician	Keep victim warm and quiet Treat symptomatically

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical Carbon dioxide (CO_2) Water spray Alcohol-resistant foam
Extinguishing media which must not be used for safety reasons	No information available
Specific Hazards Arising from the Chemical	Vapors may form explosive mixtures with air Vapors may travel to source of ignition and flash back Most vapors are heavier than air Vapor explosion hazard indoors, outdoors or in sewers Those substances designated with a "P" may polymerize explosively when heated or involved in a fire Runoff to sewer may create fire or explosion hazard Extremely flammable Keep product and empty container away from heat and sources of ignition Risk of ignition
Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all sources of ignition Evacuate personnel to safe areas Ensure adequate ventilation Use personal protective equipment Keep people away from and upwind of spill/leak Pay attention to flashback Take precautionary measures against static discharges
Environmental Precautions	Prevent further leakage or spillage if safe to do so Prevent product from entering drains Do not flush into surface water or sanitary sewer system Beware of vapors accumulating to form explosive concentrations
Methods for Containment	Prevent further leakage or spillage if safe to do so
Methods for Cleaning Up	Dam up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) Pick up and transfer to properly labeled containers Soak up with inert absorbent material Take precautionary measures against static discharges

Section 7: HANDLING AND STORAGE

Handling	Ensure adequate ventilation Keep away from open flames, hot surfaces and sources of ignition Take precautionary measures against static discharges Use only in an area containing flame proof equipment To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded Use only in area provided with appropriate exhaust ventilation Wear personal protective equipment Do not breathe vapors or spray mist Avoid contact with skin, eyes and clothing
Hygiene Measures	When using, do not eat, drink or smoke Provide regular cleaning of equipment, work area and clothing
Storage	Keep tightly closed in a dry and cool place Keep in properly labeled containers Keep containers tightly closed in a cool, well-ventilated place Keep away from heat and sources of ignition Keep away from heat Protect from light
Materials to Avoid	Strong oxidizing agents

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	China	Taiwan
Methyl ethyl ketone	TWA: 300 mg/m³ STEL: 600 mg/m³	TWA: 200 ppm TWA: 590 mg/m³

Acetone	TWA: 300 mg/m³ STEL: 450 mg/m³	TWA: 750 ppm TWA: 1780 mg/m³

Chemical Name	EU
Methyl ethyl ketone	TWA 200 ppm TWA 600 mg/m³ STEL 300 ppm STEL 900 mg/m³
Acetone	TWA 500 ppm TWA 1210 mg/m³

Engineering Measures Ensure adequate ventilation Use explosion-proof equipment

Personal Protective Equipment

Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Hand Protection Wear protective gloves Impervious butyl rubber gloves

Eye/Face Protection Tightly fitting safety goggles Face-shield

Skin and Body Protection Antistatic boots Wear fire/flame resistant/retardant clothing Impervious gloves Long sleeved clothing Chemical resistant apron

Environmental Exposure Controls Do not allow material to contaminate ground water system

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid

Appearance No information available

Color Colorless Clear

Odor Solvent

Odor Threshold No information available

Property	Values	Remarks • This temperature may be significantly lower under particular conditions (slow oxidation on finely divided materials)
pH	No information available	
Melting/ freezing point	-85.0000081062316 °C / - 121.000007295608 °F	
Boiling Point/ Range	55.0000052452089 °C / 131.000004720688 °F	
Flash Point	- 16.000001525879 °C / 3. 1999986267089 °F	
Flammability Limits in Air		
lower flammability limit	1.8	
upper flammability limit	13.0	
Vapor pressure		
Vapor density	No information available	
Specific Gravity	No data available	
Water solubility	partly soluble	
Solubility in other solvents	No information available	
Partition coefficient	log P(o/w) = 0.26	
Autoignition temperature	500.000047683717 °C / 932.000042915344 °F	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	

Oxidizing Properties No information available

Other information

Softening point No information available

Molecular Weight No information available

VOC Content (%) 100

Section 10: STABILITY AND REACTIVITY

Chemical stability

Stability Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Yes.

Hazardous Reactions strong oxidizing agents

Hazardous Polymerization no

Conditions to Avoid Heat, flames and sparks

Incompatible Products Incompatible with oxidizing agents Incompatible with strong acids and bases

Hazardous decomposition products none

Section 11: TOXICOLOGICAL INFORMATION

ATEmix (dermal) 60,000.00 mg/kg

Acute Toxicity

Routes of exposure Symptoms.

Inhalation May be harmful if inhaled May cause irritation of respiratory tract

Skin contact Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product

Eye Contact Irritating to eyes May cause irreversible eye damage

Ingestion May be harmful if swallowed Ingestion may cause irritation to mucous membranes

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Methyl ethyl ketone	2483 mg/kg (Rat)	= 5000 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
Acetone	= 5800 mg/kg (Rat)	> 15700 mg/kg (Rabbit)	= 50100 mg/m³ (Rat) 8 h

Chronic Toxicity Repeated or prolonged exposure may cause irritation of eyes and skin Repeated and prolonged exposure to solvents may cause brain and nervous system damage Avoid repeated exposure

Other information Avoid exposure to women during early pregnancy

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Biodegradation Some ingredients of this material have some potential to biodegrade, but most ingredients have a limited potential to biodegrade or have not been tested

Persistence and degradability No information available

Bioaccumulation There is no data for this product.

Mobility No information available.

Ecotoxicity Effects No information available.

Chemical Name	CAS-No	Partition coefficient	Toxicity to Algae	Toxicity to Microorganisms	Water contaminating class (Germany)
Methyl ethyl ketone	78-93-3	0.3			150
Acetone	67-64-1	-0.24	-		6

Chemical Name	CAS-No	Crustacea	LC50/96h/Fathead minnows	GHS Aquatic Toxicity Classified
Methyl ethyl ketone	78-93-3	520: 48 h Daphnia magna mg/L EC50 5091: 48 h Daphnia magna mg/L EC50 4025 - 6440: 48 h Daphnia magna mg/L EC50 Static	3130	
Acetone	67-64-1	12600 - 12700: 48 h Daphnia magna mg/L EC50 10294 - 17704: 48 h Daphnia magna mg/L EC50 Static	4740 6210 8300	

Section 13: DISPOSAL CONSIDERATIONS

Waste from Residues/ Unused Products Dispose of in accordance with local regulations.

Section 14: TRANSPORT INFORMATION

IMDG/ IMO

UN number	UN1210
Proper Shipping Name	Ketones, liquid, n.o.s. (methyl ethyl ketone / acetone mixture)
Hazard Class	3
Packing group	II
EmS-No	F-E, S-D

IATA

UN number	UN1210
Proper Shipping Name	Ketones, liquid, n.o.s. (methyl ethyl ketone / acetone mixture)
Hazard Class	3
Packing group	II

Section 15: REGULATORY INFORMATION

Applicable regulations

Section 16: OTHER INFORMATION

Issuing Date 15-Nov-2018

Revision Note The symbol (*) in the margin of this SDS indicates that this line has been revised.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the

date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet