

Security Data Sheet

Date of Issue :9 April 2021

Revision date :9 April 2021

Revision No .1.01

Section I: Identification of hazardous chemicals and suppliers

Name of chemical

Product name A181/A188/A088

Other means of identification

Product Code (s) A181

ID Card United Nations ,1993

Recommended use of additives for chemicals and restrictions on use

Restrictions on use No vendor

Inkminic logo Technology(Guangzhou)Co.,Ltd

Address:No.4YichuangStreet,

HuangpuDistrict,GuangzhouT3- 1601

Emergency telephone numberTel:+86 020-32954560

Emergency telephone number: No information available

Section II: Hazard Identification

Classification

Severe eye damage/eye irritation	Category A 2
Specific target organ toxicity (single exposure)	Category 3
Flammable liquid	Category 2:

Label element

Risk factors

Statement of risk factors

Causing severe eye irritation

May cause drowsiness or dizziness,

highly flammable liquid or steam

**Preventive statement. Preventive measures**

Wash face, hands and any exposed skin thoroughly after treatment, wear protective gloves, protective clothing, eye mask, facial protection, avoid breathing dust, smoke, gas, fog, spray / spray

Use only outdoor or well-ventilated areas, ground and bonded containers and receiving equipment, using spark-free tools

Measures to prevent electrostatic discharge

Keep away from heat, hot surface, sparks, open fire and other sources of fire. No smoking, keep containers closed, use explosion-proof electrical ventilation, keep lighting cool

Eyes

If eye: rinse with water for a few minutes. If contact lenses are available and easy, contact lenses are available. If eye irritation persists, continue to rinse: get medical advice / attention

Skin condition

If there is skin (or hair): take off all contaminated clothing immediately. Rinse skin with water or shower

Inhalation

If inhaled: bring people to fresh air and keep breathing comfortable.

If you feel unwell, please call the poison center or doctor

Fire accident

Fire extinguishing with dry sand, dry chemical or alcohol-resistant foam

Preventive statement. Storage

Store in a well-ventilated place. Close the container tightly and lock the store

Preventive statement. Disposal

Disposal of contents/containers to approved waste treatment plants

Other information

Harmful if swallowed

Unknown acute toxicity

9.5% of the mixtures contained components of unknown

toxicity and 0% contained components of unknown acute oral toxicity

9.5% of mixtures contain unknown acute dermal toxic components

9.5 per cent of the mixture consists of unknown acute inhalation toxicity (gases); and

9.5% of the mixture was composed of unknown acute inhalation toxicity (vapour); and

9.5 per cent of the mixture consists of unknown acute inhalation toxicity (dust/fog) and

Section III: Composition and information on components**Substances**

Not applied.

Mixture

Chemical properties Preparation.

Name of chemical	CASNo.	Weight -%
Methyl ethyl ketone	78-93-3	90 - 100%
Ethanol	64-17-5	0 - 10%

Description of first aid measures

Section IV: First aid measures

General recommendations Show this safety data sheet to the doctor present.

Inhalation Move to fresh air. If contacted or worried: get medical advice / attention.

Eye contact immediately with sufficient water, also under the eyelids, rinse for at least 15 minutes. Open your eyes when washing. Do not rub the affected area. If contact lenses are available and easy, contact lenses are available. Continue flushing. If stimulation occurs and persists, get treatment care.

Skin contact patterns Wash immediately with soap and plenty of water while removing all contaminated clothing and shoes.

IntakeDo not cause vomiting. Clear the mouth with water and drink more water.
Never give anything to the unconscious with your mouth. Call the doctor.

Self-protection of the first assistant Remove all sources of fire. Ensure that medical staff are aware of these materials

Participate in them, take preventive measures to protect themselves and prevent the spread of pollution. Use personal protective equipment as needed. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, including acute and delayed

Clinical symptoms Burning. inhalation of high vapor concentrations may cause symptoms such as headache, dizziness, fatigue, nausea and vomiting. Any medical care and special treatment need to be immediately indicated to the doctor
According to the symptomatic method of treatment.

Section V: Fire protection measures

Suitable extinguishing media Dry chemicals. carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams

Specific hazards arising from the chemical Risk of ignition Keep products and empty containers away from heat and sources of ignition In the event of fire, cool tanks with water spray
fire residues and contaminated fire extinguishing water must be disposed of in accordance local regulations

Explosive data

Sensitivity to mechanical shock none.

Sensitivity to static discharge Yes.

Special protective equipment for Firefighters should wear self-contained breathing apparatus and full firefighting turnout

Fire-fighters gear. Use personal protective equipment.

Section VI: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to a safe area. Use personal protective equipment as needed. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. prevent people from leaking accidents. Eliminate all ignition sources (no smoking, flares, sparks or flames in direct areas). Please pay attention to using flashback function. Take preventive measures to prevent electrostatic discharge. All equipment used in handling products must be grounded. Do not touch or pass through spilled material.

Other information Ventilation to the area. see the protection measures listed in sections 7 and 8. **Methods and material for containment and cleaning up**

Material for containment stop leak if you can do it without risk do not touch or walk through spilled material a vapour suppression foam can be used to reduce steam. dive long before the leak to collect runoff water. Keep away from drains, sewers, ditches and waterways. Absorb soil, sand or other non-combustible materials and transfer to container for post-treatment.

Method of clean-up Take preventive measures to prevent electrostatic discharge. Dam. Immerse absorbent materials with inert materials. extracted and transferred to the container of the label.

Section VII: Handling and storage

Precautions for safe handling

Advice on safe handling Use personal protective equipment. Avoid breathing steam or mist. Keep away from heat, hot surfaces, sparks, open fires and other sources of fire. Smoking is prohibited. Use grounding and connection when conveying materials to prevent electrostatic discharge, fire or explosion. Use local exhaust ventilation. Use fire-proof tools and explosion-proof equipment. Keep in the area equipped with sprinkler. Use according to packing label instructions. Operate in accordance with good industrial hygiene and safety regulations. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. If ventilation is insufficient, wear suitable breathing equipment. Ground and connect all lines and equipment related to the product system. All equipment shall be non sparking and explosion proof

Conditions for safe storage, including any incompatibility

Storage conditions Keep away from heat, sparks, flames and other sources of fire, i.e. light guides, electrical appliances (motor and electrostatic). placed in the container with the correct label. Keep in the area equipped with sprinkler. Storage in accordance with specific national regulations. Store in accordance with local regulations. Keep container tightly enclosed in dry, cool and A well-ventilated place.

Section VIII: Exposure control and personal protection

Control parameters

Limits of exposure .

Name of chemical	Alberta	British Columbia	TWAEV, Ontario	Quebec
Methyl ethyl ketone 78-93-3	Gross width :200 ppm Total WA: 590mg/m3 ppm 300 Stel: mg/m 8853	Total WA: 50ppm steam temperature :100 ppm	Gross width :200 ppm ppm 300	Total WA: 50ppm Total WA: 150mg/m3 Steam temperature :100 ppm Steam :300 mg/m3

Alcohol :64 -17 -5	Total width :1000 ppm Total weight: mg/m 1880	ppm 1000	ppm 1000	ppm 1000
--------------------	--	----------	----------	----------

Other information Revocation of restrictions by the Court of Appeal in the LAB. OSHA, page 965, page F.2d,962(11th Circuit Court ,1992).

Proper engineering control, engineering control Laundry
The ventilation system of the eye washing station.

Personal protective measures such as personal protective equipment
Protection protection Wear safety goggles with side shields (or goggles). If spatter is possible, wear safety glasses with side shields.

Manual protection Wear the right gloves. Waterproof gloves.

Skin and physical protection Wear suitable protective clothing.

Respiratory protection system Under normal service conditions, no protective equipment is required. Ventilation and evacuation may be required if exposure limits are exceeded or when irritation occurs.

General health considerations Do not eat, drink or smoke when using this product. Contaminated overalls should not should be allowed to leave the workplace. It is recommended to regularly clean equipment, work areas and clothing. Wash hands immediately before rest and after handling the product.

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

Section IX: Physical and chemical properties

Information about the basic physical and chemical properties of liquids

Appearance requirements	No information available	
Color	PURPLE	
Smell	Solvent	
Smell threshold	No information available	
Property	Value	Note Method
pH	No data available	
Melting point, freezing point	85° C/-121° F boiling	
Point/boiling range	75° C/167° F Flash point	
	-9° C/15.8° F	
Evaporation rate	No data available	Unknown
Flammability (solids, gases)	No data available	Unknown
Flammability limits in air		Unknown
Upper flammable or explosive limits	19.0	
Reduce flammability or explosive limits	1.8	
Steam pressure	No data available	Unknown
Steam density	No data available	Unknown
Relative density	0.81	
Water solubility	Partially soluble	
Solubility in other solvents	No data available	Unknown
Partition coefficient	Log P(none)=0.26	
spontaneous combustion temperature	350° C/662° F	
hyphenated name:	No data available	Unknown
kinematic viscosity	No data available	Unknown

Dynamic viscosity No data available Unknown

Other information

Explosive performance no information available.

Properties of Peroxidation no information available.

softening point No information available

Molecular weight Active agents

(%) volatile organic compounds content 100

Liquid density No information available

Mass density No information available

Section 10: Stability and reactivity

Reactive no information available.

Chemical stability remain stable under normal conditions. The possibility of a dangerous reaction is not properly handled. Dangerous polymers don't.

Conditions to be avoided heat, flames and sparks.

incompatible materials According to the information provided, there is no unknown. Dangerous decomposition products, none.

Article 11: Toxicological information

Information on possible exposure pathways

Product information

Inhalation	There is no specific test data for the substance or mixture. may cause irritation to the respiratory tract. May cause drowsiness Or dizziness.
------------	--

Eye contact	There is no specific test data for the substance or mixture. can cause severe eye irritation. (Based on components). may cause redness, itching and pain.
-------------	---

Skin contact patterns	There is no specific test data for the substance or mixture. may cause irritation.
-----------------------	--

prolonged exposure may cause redness and irritation.

Intake There is no specific test data for the substance or mixture. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Swallowing food can be harmful.

Symptoms associated with physical, chemical and toxicological characteristics

Clinical symptoms may cause eye redness and tear. inhalation of high vapor concentrations may cause symptoms such as headache, dizziness, fatigue, nausea and vomiting.

Acute toxicity

Methods of numerical measurement of toxicity

According to Chapter 3.1 of the GHS document, the following values are calculated.

ATE_{mix}(oral) 3,655.30 mg/ kg

ATE_{mix}(dermal) 5,555.60 mg/ kg

Unknown acute toxicity 9.5 per cent of the mixtures contained components of unknown toxicity, and 0 per cent of the mixtures included unknown acute mouth Composition of cavity toxicity

9.5% of mixtures contain unknown acute dermal toxic components

9.5 per cent of the mixture consists of unknown acute inhalation toxicity (gases); and

9.5% of the mixture was composed of unknown acute inhalation toxicity (vapour); and

9.5% of the mixture consists of unknown acute inhalation toxicity (dust/fog) component information

Name of chemical	Oral LD50	LD50 leather	Aspiration: LC50
Methyl ethyl ketone 78-93-3	2483 mg/kg (Rats)	=5000 mg/kg (rabbits)	=11700 ppm(rats)4 hours
Ethanol 64-17-5	=7060 mg/kg (rats)	-	=124.7 mg/L(rats)4 hours

Delayed and direct effects, and chronic effects of short- and long-term exposure

skin corrosion/irritation may cause skin irritation.

Severe eye damage/eye irritation classified according to available data. can cause severe eye irritation.

Respiratory of skin sensitization no information available.

Mutagenicity of germ cells no information available.

Carcinogenicity no information available.

The following table shows whether agencies have listed any components as carcinogens.

Name of chemical	Agir	Three curved	No time	Osha
Alcohol :64-17-5	A3	Cluster 1	Known	X

Legend

ACGIH(American Government Conference on Industrial Hygiene) A3- animal carcinogens

IARC(International Agency for Research on Cancer (IARC)

Group 1- Human carcinogens NTP(National Toxicology Programme) known carcinogens

OSHA(United States Department of Labor Occupational Safety and Health Administration) X presence

Reproductive toxicity no information available.

Single exposure may cause drowsiness or dizziness.

Stop repeating exposure no information available.

Target Organ Effect blood, central nervous system, eyes, liver, reproductive system, respiratory system, skin.

Hazard of inhalation no information available.

Section XII: Ecological information

Ecological toxicity .

Name of chemical	Algae/ aquatic plants	Fish	Toxicity to microorganisms	Crustaceans
Methyl ethyl ketone	-	LC50: 3130-3320mg/L (96 hours)	-	EC50: 4025-6440 mg/L (48 h, medication) EC50: =5091 mg/L (48H Enzyme code EC50 >520 mg/L (48h, drug)

Ethanol 64-17-5	-	12.0-16.0: h 96 My kiss mL/LLC50 static 100:96 Forehead mg/LLC50 static 13400- 15100:96 hours pod Preamble mg/LLC50 Flowing through h 100:96 Head mg/LLC50 is static	-	LC50: 9268-14221 mg/ L (48 hours, big flowers) EC50: =2 mg/L (48 h), Stone)
--------------------	---	--	---	---

Persistence and degradability no information available.

Bioaccumulation there is no data about this product

Component Letters

Name of chemical	Partition coefficient
Methyl ethyl 78-93-3	0.3
Alcohol content :64-17-5	-0.32

Other side effects no information available.

Section XIII: Disposition of information

Waste treatment methodology

Residues/waste from unused products should not be released into the environment. Disposal in accordance with local regulations. dispose of waste according to environmental regulations.

Contaminated packaging Empty containers can cause potential fire and explosion hazards. Do not cut, do not puncture weld container.

Section XIV: Transport information

tdg

UN Number United Nations ,1993
 Correct shipping name Flammable liquid, not otherwise stated. (methyl ethyl ketone/ethanol mixture)
 Hazard class for transport (s) 3
 Packing Group II

dots

ID Card United Nations ,1993
 Correct shipping name Flammable liquid, not otherwise stated. (methyl ethyl ketone/ethanol mixture)
 Hazard level 3
 Packing Group II

iata

UN Number United Nations ,1993
 Correct shipping name Flammable liquid, not otherwise stated. (methyl ethyl ketone/ethanol mixture)
 Hazard class for transport (s) 3
 Packing Group II

Imdg

UN Number United Nations ,1993
 Correct shipping name Flammable liquid, not otherwise stated. (methyl ethyl ketone/ethanol mixture)

Hazard class for transport (s) 3

Packing Group II

EmS- number F-E, S-E

Advertising address

UN Number United Nations ,1993

Correct shipping name Flammable liquid, not otherwise stated. (methyl ethyl ketone/ethanol mixture)

Hazard class for transport (s) 3

Packing Group II

Classification code F1

Section XV: Regulatory information

Safety, health and environmental regulations/regulations for substances or mixtures

This product is classified according to the hazard standard of dangerous product regulation (HPR), SDS contains all the information required by the HPR

international regulations

Montreal Protocol on Substances that Deplete the Ozone Layer not applicable

The Stockholm Convention on Persistent Organic Pollutants is not applicable

Rotterdam Convention does not apply international stocks

Winning bid Please contact the supplier for inventory compliance status.

DSL/NDSL Please contact the supplier for inventory compliance status.

Economic Yuan Please contact the supplier for inventory compliance status.

Annex Please contact the supplier for inventory compliance status.

Iraq Committee Please contact the supplier for inventory compliance status.

Kerr Please contact the supplier for inventory compliance status.

Picture Please contact the supplier for inventory compliance status.

Auxiliary Please contact the supplier for inventory compliance status.

Legend:

TSCA- 《 United States Toxic Substances Control Act Section 8(b) List DSL/NDSL- Canadian domestic/non-domestic material list

EINECS/ELINCS- list of existing chemicals in Europe / list of notified chemicals in Europe ENCS- list of existing and new chemicals in Japan IECSC- list of existing chemicals in China and existing and assessed chemicals in Korea

List of PICCS- Philippine Chemicals AICS- Australian Chemicals

Section XVI: Other information

Key or legend of abbreviations and acronyms used in security data tables

Legend Part 8: Exposure control/personal protection

Double tile TWA(time-weighted average) Steering STEL(short-term exposure limits)

Ceiling Maximum limit * Name of skin

decorations

Key literature references and data sources for the preparation of SDS

Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency Chemical View Database European Food Safety Administration (EFSA) Environmental Protection Agency (EPD) Acute Exposure Guide Rank

U.S. Environmental Protection Agency Federal
Pesticides, Fungicides and Dental Insecticides
Act U.S. Environmental Protection Agency Journal
of High-yield Chemicals Food Research
Hazardous substances database
International Harmonized Chemical Information Database (IUCLID) GHS Classification of Japan
National Industrial Chemicals Notification and Assessment Plan of Australia
(NICNAS) NIOSH (National Institute of Occupational Safety and Health)
National Medical Library Chemical ID+ (NLMCIP)
National Library of Medicine PubMed Database
(NLM PUBMED) National Toxicology Program
(NTP)
Chemical Classification and Information Database of New Zealand (CCID)
Economic Cooperation and Development Environment, Health and Safety Publications
Organization for Economic Cooperation and Development Organization for Economic Cooperation
and Development High-yield Chemicals Economic Cooperation and Development Project
Organization Screening Information Data Set
RTECS(Chemical Toxic Effects Registry) World Health Organization

Date of Issue 9 April 2021

Revised version no information
available. **Disclaimer:**

The information provided in this security data sheet at the date of publication is correct. the information provided is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not considered as a warranty or quality specification. This information only relates to specified specific materials and may not be valid for specific materials used in conjunction with any other material or in any process.

Safety Data Sheet End
