SECTION I - IDENTIFICATION



Alliance Chemical 204 South Edmond St Taylor, Texas, 76574 512-365-6838

CHEMTEL...... (800) 255-3924

Product Name Methyl Ethyl Ketone

SynonymsSolventCAS Number78-93-3Date Prepared12/19/22Revision Number01/19/23

Recommended Use Industrial Use Only

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Flammable Liquids

Acute Toxicity, Oral

Skin Corrosion/Irritation

Category 2

Skin Corrosion/Irritation

Category 3

Serious Eye Damage/Eye Irritation

Category 2A

Acute Toxicity, Inhalation

Category 5

Specific target organ toxicity, single exposure

Category 2

DANGER!

GHS LABEL:







Hazard Statements

H225	Highly flammable liquid and vapo
H302	Harmful if swallowed
H315	Causes skin irritation
H316	Causes mild skin irritation
H319	Causes serious eye irritation
H333	May be harmful if inhaled
H371	May cause damage to organs

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Precautionary Statements

P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition, sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light/ equipment, etc.
P242	Use only non-sparking tools.
P243	Take precautionary measures to prevent static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352	IF ON SKIN: Wash with plenty of water/
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
P308+311	IF exposed or concerned: Call POISON CENTER/doctor/physician
P321	Specific treatment (see on this label).
P330	Rinse mouth.
P332+313	If skin irritation occurs: get medical advice/attention.
P337+313	If eye irritation persists get medical advice/attention.
P362+364	Take off immediately all contaminated clothing and wash it before reuse.
P370+378	In case of fire: Use(See Section 5 of SDS) to extinguish.
P403+235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to: local/regional/national/international regulations.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS#	Component%	OSHA PEL	ACGIH TLV
2-Butanone	78-93-3	100%	200 ppm	200 ppm

SECTION IV - FIRST AID MEASURES

Contact with eyes: Wash immediately and continuously with flowing water for at least 15 minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison

control center immediately.

Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before

re-use.

Inhalation: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is

affected or stopped. Seek immediate medical attention.

Ingestion: If swallowed. Wash out mouth thoroughly with water and give plenty of water to drink.

Give large quantities of water. Never give anything by mouth to an unconsciuous

person.

If vomiting occurs, keep head below hips to prevent aspiration into lungs.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: SMALL FIRE: Use dry chemicals, CO2, water spray or alcohol-resistant foam.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas.

Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water

used for cooling.

Unusual Fire Fighting Hazards: Product is flammable and may be ignited by heat, sparks, flames or other

sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors are heavier than air and may accumulate in low areas. Vapors may travel considerable distancesto a source of ignition where they can ignite, flashback or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. If container is not properly cooled, it can

explode in the heat of a fire.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep all sources of ignition and hot metal surfaces away from spill or

release.

Any/all persons dealing with the spill should wear appropriate personal protective equipment. Keep others away from spill/leak. Restrict access

to area until the spill has been cleaned up.

Environmental Precautions: Prevent liquid from entering drains, sewers or waterways.

Contain spill if it can be done with minimal risk.

Notify proper authorities.

Methods for Cleaning Up: Use proper personal protective equipment. Isolate and secure the area

and follow the appropriate emergency guidelines. If local high

concentration of airborne mist occurs, dilute spill with plenty of water and ventilate to disperse mist laden air. Sweep up spill and reclaim or

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place in a covered waste disposal container. Report spill to proper authorities

Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.

SECTION VII - HANDLING AND STORAGE

Handling and Storage:

- Obtain special instructions before use. Wear proper personal protective equipment. Use only in well ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks, and open flame.
- Store in cool, dry, ventilated area away from any heat source. Storage area should be clearly identified and free of obstruction. Keep containers tightly closed and in an upright position when not in use.
- Bond and ground all equipment when transferring from one vessel to another. The use of explosion-proof equipment is recommended.
- "Empty" containers retain residue and/or vapor and may be dangerous.
 Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources.
- Keep containers tightly closed in a dry and well-ventilated place.
- Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component Name	CAS#	OSHA PEL	ACGIH TLV
2-Butanone	78-93-3	200 ppm	200 ppm

Engineering Controls: Adequate local or mechanical to reduce vapor or mist to below the PEL or

TLV.

Monitoring: Follow accepted work practices for handling a flammable material.

Do not eat, drink or smoke in areas where this chemical is used or stored.

Wash hands prior to eating, drinking or using the restroom. Have eye wash stations and safety showers readily available.

Personal Protective Equipment (PPE)

Eye Protection: Goggles or approved OSHA device with side shields; do not wear contact

lenses when handling this product.

Skin Protection: Wear safety glasses with un-perforated side shields.

Impervious apron and work boots recommend where splashing may occur.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is

unknown or above the OSHA PEL or ACGIH TLV.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES			
Appearance	Clear Liquid		
Odor	Strong Odor		
pH@25°C	N/A		
Melting/Freezing Point	N/A		
Flash Point	23°F, TCC		
Specific Gravity	0.81		
Soluability	Appreciable		
Auto-Ignition Temperature	-		
Decomposition Temperature	-		
VOC Content	100% (6.75% by wt.)		
Odor Threshold	-		
Boiling Range	175°F		
Evaporation Point	3.8 (Butyl Acetate=1)		
Flammable Limits - Upper	11.4%		
Flammable Limits - Lower	1.4%		
Vapor Pressure	71 mmHg @ 68°F		
Vapor Density (Air=1)	2.5 (Air=1)		

SECTION X - STABILITY AND REACTIVITY

Stability: Stable

Viscosity

Conditions to Avoid: Sparks, fire, and extreme temperatures.

Hazardous Decomposition/Byproducts: Thermal decomposition may yield oxides of carbon.

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None known.

Incompatibilities: Stong oxidizing agents

Safety Data Sheet Methyl Ethyl Ketone

SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Routes of entry: inhalation, skin & eyes, ingestion, skin absorbtion

Inhalation: May cause respiratory tract irritation. Inhalation of vapors may cause

drowsiness and dizziness.

Eye Contact: Causes eye irritation including stinging, watering and redness which

may result in corneal injury.

High vapor concentrations are irritating to the eyes.

Skin Contact: Contact may cause mild skin irritation including redness, burning and

drying/cracking of the skin.

Can be painful is skin is confined in gloves, clothing, etc.

Ingestion: Aspiration hazard. Can enter the lungs during swallowing or vomiting

and cause chemical pneumonia and edema.

May cause gastrointestinal irritation with nausea, vomiting and

diarrhea.

Acute Toxicity Value: See Health Hazards below.

Chronic (Long Term) Effects: See Health Hazards above.

Toxicity:

Component Name	LD50	LC50
2-Butanone	Oral - Rat - 5840 mg/kg; Oral - Rabbit - 4763 mg/kg; Skin -	Inhalation - Species: Mouse 40 mg/l; Inhalation - Rat - 8H/23.5

Reproductive Effects Not Applicable

Teratogenicity Not Applicable

Mutagenicity Not Applicable

Embryotoxicity Not Applicable

Sensitization to Product Not Applicable

Synergistic Products Not Applicable

Carcinogenicity Not Listed as a Carcinogen

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

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Mobility: Information not available.

Degradability: No data available.

BioAccumulation: No data available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, state, and local regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Methyl Ethyl Ketone

Contains:

Hazard Class and Label: 3

Identification Number: UN 1193

Packaging Group:

Other Shipping Info:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
X	X	X		

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

Component Name	CAS#	% by wt.
2-Butanone	78-93-3	100%

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

Methyl Ethyl Ketone

Component Name	CAS#	% by wt.	RQ (lbs.)
2-Butanone	78-93-3	100%	5,000

CALIFORNIA PROPOSITION 65:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

 HMIS Health:
 1

 HMIS Flammability:
 3

 HMIS Reactivity:
 0

Additional:

Specification Information

Department issuing data sheet: Compliance Department

Email address: Alliance@alliancechemical.com

Training necessary: Training is required per the Occupational Safety and Health

Administration (OSHA) Hazard Communication 29 CFR 1910.1200.

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