

# TTS DISTRIBUTION

4206 SOUTH GENERAL BRUCE DRIVE TEMPLE, TX 76502  
main: 254.778.8701 toll-free: 800.792.3070 fax: 254.778.3422

## PRODUCT SAFETY & HEALTH INFORMATION

Methyl Ethyl Ketone (MTX, 1-15-21)

9/24/2024

TO: Safety Director  
Hisco (Austin)  
7000 Burleson Road, Bldg A, Ste 100  
Austin, TX 78744

Attached are Safety Data Sheets (SDS) for the product(s) listed above that you have received from us. These SDS take precedence over and supersede any previous SDS you may have received from us in the past.

To determine if this product is regulated by EPCRA, Section 313 and 40 CFR 372, please review the attached SDS. Please forward these SDS to the appropriate health and safety personnel in your company. Review each sheet as soon as possible to ensure that your uses of this product take into account the current information available on any potential hazards it may have.

Although the SDS is provided for your in-plant safety training programs, it should be recognized that people who come in contact with these products at other locations also have the right to this information. It is very important that this information reach all individuals that will directly or indirectly come in contact with the product. If you resell or repackage this product, you must ensure the downstream flow of information by shipping labeled containers and making the appropriate SDS available to downstream purchasers.

Please advise your personnel and any downstream users of the potential hazard of the empty containers. Empty containers are those that contain product and have not been professionally cleaned and reconditioned and which may contain product residue or vapor.

The information contained herein should be used for health and safety training and not for specification purposes. Please let us know if we may provide any additional information.

Yours truly,

SALES DEPARTMENT  
TTS DISTRIBUTION, INC

Safety Data Sheet  
Methyl Ethyl Ketone

SECTION I - IDENTIFICATION



MATRIX CHEMICAL

MATRIX CHEMICAL, LLC  
5960 W. PARKER RD, STE 278 #235  
PLANO, TX 75093  
(214) 774-2238  
CHEMTREC #202934 . (800) 424-9300

Product Number MEK  
Product Name Methyl Ethyl Ketone  
Chemical Family  
CAS Number 78-93-3  
Date Prepared 5/20/2015  
Revision Number 01/15/2021  
Recommended Use Industrial Use Only

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Flammable Liquids	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Specific target organ toxicity, single exposure, N	Category 3

**DANGER!**

GHS LABEL:



Hazard Statements

H225 Highly flammable liquid and vapor  
H319 Causes serious eye irritation  
H336 May cause dizziness or drowsiness

TTS Distribution, Inc.  
4206 S. General Bruce Dr.  
Temple, Tx 76502-4838  
(254) 778-8701  
Received: 1-1-20

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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/lighting equipment, etc.
- P242            Use only non-sparking tools.
- P243            Take precautionary measures to prevent static discharge.
- P261            Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264            Wash skin thoroughly after handling.
- P271            Use only outdoors or in a well-ventilated area.
- P280            Wear protective gloves/protective clothing/eye protection/face protection.
- P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P304+340       IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
- 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.
- P312            Call a POISON CENTER or a doctor/physician if you feel unwell.
- P337+313       If eye irritation persists get medical advice/attention. In case of fire:
- P370+378       In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
- P403+233       Store in a well ventilated place. Keep container tightly closed.
- P403+235       Store in a well ventilated place. Keep cool.
- P405            Store locked up.
- P501            Dispose of contents/container to approved waste disposal plant.

**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:** Flush with water for 15 minutes. Seek immediate medical attention.

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**Skin contact:** Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

**Inhalation:** Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

**Ingestion:** If swallowed. Do not induce vomiting. Seek immediate medical attention. Give large quantities of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

**SECTION V - FIREFIGHTING MEASURES**

**Suitable Extinguishing Media:** Water fog, foam, CO2, dry chemical.

**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 distance to 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.

Evacuate all unprotected personnel from the area.

**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 foam on spills to minimize vapors.

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:**

- NFPA Class I storage.
- Vent container carefully before opening.
- 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.

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- Keep containers tightly closed when not in use.
- 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:** Impervious solvent resistant gloves.  
 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.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Clear Liquid
Odor	Strong Odor
pH@25°C	N/A
Melting/Freezing Point	-86°C (-123°F)
Flashpoint	-6°C (21°F)
Specific Gravity	0.81
Solubility	partly miscible
Auto-ignition Temperature	404°C (759°F)
Decomposition Temperature	no data available
VOC Content	100% (6.75% by wt.)
Odor Threshold	no data available
Boiling Range	80°C(176°F)
Evaporation Point	3.8 (Butyl Acetate=1)
Flammable Limits - Upper	11.5%
Flammable Limits - Lower	1.5%
Vapor Pressure	71 mmHg @ 20°C(68°F)
Vapor Density (Air=1)	1.15
Viscosity	no data available

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**SECTION X - STABILITY AND REACTIVITY**

**Stability:** Stable, under normal conditions of storage and handling.

**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

**Incompatibilities:** Strong oxidizers

**SECTION XI - TOXICOLOGICAL INFORMATION**

**Likely Route of Exposure:** Contact and inhalation; ingestion possible.

**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 if 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

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<b>Reproductive Effects</b>	no data available
<b>Teratogenicity</b>	Not Applicable
<b>Mutagenicity</b>	Not Applicable
<b>Embryotoxicity</b>	Not Applicable
<b>Sensitization to Product</b>	Not Applicable
<b>Synergistic Products</b>	Not Applicable
<b>Carcinogenicity</b>	Not Listed as a Carcinogen

**SECTION XII - ECOLOGICAL INFORMATION**

**Ecotoxicity:** Information not available.

**Mobility:** Information not available.

**Degradability:** Information not available.

**BioAccumulation:** Information not available.

**SECTION XIII - WASTE DISPOSAL CONSIDERATIONS**

Follow Federal, state, and local regulations. If Uncontaminated product becomes waste, it is regulated as RCRA waste #D001, D035, and F005. Reportable quantity is 5000 pounds.

**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:** II  
**Other Shipping Info:**

**SECTION XV - REGULATORY INFORMATION**

**TSCA STATUS:**..... The components of this product are listed "active" on the TSCA 8(b) Inventory  
**SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:**

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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:**

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 ..... 2  
HMIS Flammability: ..... 3  
HMIS Reactivity ..... 1

**Additional:**

IMPORTANT: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. MATRIX CHEMICAL, LLC MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OR COMPLETENESS OF THE INFORMATION AND DATA HEREIN. Matrix Chemical will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading. This information relates to the material designated and may not be valid for such material used in combination with any other materials nor in any process.



**Safety Data Sheet**  
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**Specification Information**

**Department issuing data sheet:** Safety and Compliance

**Email address:** matrix@matrixchemical.com

**Training necessary:** Trained in accordance with state, federal and local laws.

**Disclaimer:**

All products should be used in accordance with state, federal and local laws.