

SAFETY DATA SHEET

1. Identification

Product identifier	METHYL ETHYL KETONE, REAGENT (ACS)		
Other means of identification			
Product code	959		
CAS number	78-93-3		
Synonyms	2-BUTANONE * ETHYL MET	HYL KETONE * MEK	
Recommended use	solvent technical function of substance, professional, scientific and technical activities: other professional, scientific and technical activities		
Recommended restrictions	None known.		
Manufacturer/Importer/Suppl	lier/Distributor informatio	n	
Manufacturer			
Company name	GFS Chemicals, Inc.		
Address	800 Kaderly Drive		
	Columbus, OH 43228		
	United States		
Telephone	Phone	740-881-5501	
	Toll Free	800-858-9682	
	Fax	740-881-5989	
Website E-mail	www.gfschemicals.com service@gfschemicals.com		
Emergency phone number	Emergency Assistance	Chemtrec 800-424-9300	
2. Hazard(s) identification	n		

Flammable liquids	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Specific target organ toxicity, single exposure	Category 3 narcotic effects
Not classified.	
Not classified.	
	Serious eye damage/eye irritation Reproductive toxicity Specific target organ toxicity, single exposure Specific target organ toxicity, single exposure Not classified.

Signal word	Danger
Hazard statement	Highly flammable liquid and vapor. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces 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. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.
Storage	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC)	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.
Supplemental information	None.

3. Composition/information on ingredients

Substances

Chemical name	Common name and synonyms	CAS number	%
METHYL ETHYL KETONE 2-BUTANONE ETHYL METHYL KETONE		78-93-3	100
	MEK		

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.
5. Fire-fighting measures	5

Suitable extinguishing media	Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor.

6. Accidental release measures

0. Accidental release me	asures
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Stop leak if you can do so without risk. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Prevent entry into waterways, sewers, basements or confined areas. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Clean contaminated surface thoroughly. Should not be released into the environment. Clean up in accordance with all applicable regulations.
	Large Spills: Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. After removal flush contaminated area thoroughly with water. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.
7. Handling and storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist/vapors. Avoid contact with eyes. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
	For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Material	Air Contaminants (29 CFR 19 Type	10.1000) Value	
METHYL ETHYL KETONE (CAS 78-93-3)	PEL	590 mg/m3	
		200 ppm	

US. ACGIH Threshold Lim				
Material	Туре			/alue
METHYL ETHYL KETONE (CAS 78-93-3)	STEL		3	00 ppm
	TWA		2	00 ppm
US. NIOSH: Pocket Guide Material	to Chemical Hazard Type		v	/alue
METHYL ETHYL KETONE (CAS 78-93-3)	STEL		8	85 mg/m3
			3	00 ppm
	TWA			590 mg/m3
				:00 ppm
Pielogical limit values				
Biological limit values ACGIH Biological Exposur	e Indices			
	Value	Determinant	Specimen	Sampling Time
METHYL ETHYL KETONE (CAS 78-93-3)	2 mg/l	MEK	Urine	*
* - For sampling details, plea	se see the source door	ument.		
Appropriate engineering controls	Explosion-proof ger Ventilation rates she exhaust ventilation, exposure limits. If e	neral and local exha ould be matched to or other engineerir exposure limits have ovide eyewash stati	conditions. If ng controls to r not been esta on and safety	. Good general ventilation should be used. applicable, use process enclosures, local maintain airborne levels below recommended ablished, maintain airborne levels to an shower. An eye wash and safety shower must
Individual protection measure Eye/face protection	es, such as personal Wear safety glasses			
Skin protection				
Hand protection	Wear appropriate cl	hemical resistant glo	oves.	
Other		_		an impervious apron is recommended.
		If engineering controls do not maintain airborne concentrations below recommended exposure		
Respiratory protection	limits (where applic	able) or to an accep	table level (in	countries where exposure limits have not orn. Chemical respirator with organic vapor
Thermal hazards	Wear appropriate th	nermal protective cl	othing, when r	necessary.
General hygiene considerations	personal hygiene m	easures, such as wa	ashing after ha	n using do not smoke. Always observe good andling the material and before eating, ing and protective equipment to remove
9. Physical and chemica	l properties			
Appearance	Clear.			
Physical state	Liquid.			
Form	Liquid.			
Color	Colorless.			
Odor	Strong. Characterist	tic.		
Odor threshold	Not available.			
рН	Not available.			
Melting point/freezing point	-123.95 °F (-86.64	°C)		
Initial boiling point and	175.26 °F (79.59 °C			
boiling range				
Flash point	15.8 °F (-9.0 °C) Cl 22.0 °F (-5.6 °C) Ta			
Evaporation rate	Not available.			
Flammability (solid, gas)	Not applicable.			
Upper/lower flammability or Flammability limit - lower (%)	•			
× - /				

Flammability limit - upper (%)	10 %
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	12.08 kPa (77 °F (25 °C))
Vapor density	2.41
Relative density	Not available.
Solubility(ies)	
Solubility (water)	280 g/l
Partition coefficient (n-octanol/water)	0.29
Auto-ignition temperature	759.2 °F (404 °C)
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.80 g/cm3 estimated at 20 °C
Dynamic viscosity	0.41 mPa.s (68 °F (20 °C))
Explosive properties	Not explosive.
Flammability class	Flammable IB estimated
Flash point class	Flammable IB
Heat of combustion (NFPA 30B)	30.6 kJ/g
Kinematic viscosity	0.5094 mm ² /s estimated
Molecular formula	C4-H8-O
Molecular weight	72.11 g/mol
Oxidizing properties	Not oxidizing.
Percent volatile	100 %
Specific gravity	0.81 at 20 °C
Surface tension	24.6 mN/m (68 °F (20 °C))
VOC	100 %

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Amines. Ammonia. Caustics. Isocyanates. Strong acids, alkalies and oxidizing agents.
Hazardous decomposition products	Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation.

Information on toxicological effects

Acute toxicity

Product	Species	5	Test Results	
1ethyl ethyl ketone (Cas 78-	-93-3)			
<u>Acute</u>				
Dermal				
LD50	Rabbit		> 8000 mg/kg	
			> 8000 mg/kg	
Inhalation				
LC50	Mouse		11000 mg/l, 45 Minutes	
2000			•	
	Rat		11700 mg/l, 4 Hours	
Oral			c70 //	
LD50	Mouse		670 mg/kg	
	Rat		4500 - 6800 mg/kg	
			2300 - 3500 mg/kg	
			2300 - 3500 mg/kg	
Skin corrosion/irritation	Prolonged	skin contact may cause temporary irritation		
Serious eye damage/eye	-		5n.	
rritation	Causes sei	Causes serious eye irritation.		
Respiratory or skin sensitizati	ion			
Respiratory sensitization		iratory sensitizer.		
Skin sensitization		ict is not expected to cause skin sensitizat	ion	
Germ cell mutagenicity	•	vailable to indicate product or any compor		
berni cen mutagementy		or genotoxic.	ients present at greater than 0.170 are	
Carcinogenicity	-	iable as to carcinogenicity to humans.		
IARC Monographs. Overal				
Not listed.		of carcinogenicity		
Not regulated.		ces (29 CFR 1910.1001-1052) P) Report on Carcinogens		
Reproductive toxicity	Sucnacted	of damaging fertility or the unborn child.		
Specific target organ toxicity	•	55,	acc and distinger	
- single exposure	·	May cause respiratory irritation. May cause drowsiness and dizziness.		
Specific target organ toxicity - repeated exposure	Not classif	Not classified.		
Aspiration hazard	Not an asp	piration hazard.		
	Prolonged	Prolonged inhalation may be harmful.		
Chronic effects				
Chronic effects	on			
Chronic effects 12. Ecological information Ecotoxicity	The produ		ardous. However, this does not exclude the	
12. Ecological information Ecotoxicity	The produ	that large or frequent spills can have a ha	armful or damaging effect on the environmen	
12. Ecological informatio Ecotoxicity <u>Product</u>	The produ possibility			
12. Ecological informatio Ecotoxicity Product METHYL ETHYL KETONE (CA	The produ possibility	that large or frequent spills can have a ha	armful or damaging effect on the environmen	
12. Ecological information Ecotoxicity Product METHYL ETHYL KETONE (CAN Aquatic	The produ possibility S 78-93-3)	that large or frequent spills can have a ha Species	armful or damaging effect on the environmen Test Results	
12. Ecological information Ecotoxicity Product METHYL ETHYL KETONE (CAN Aquatic Crustacea	The produ possibility S 78-93-3) EC50	that large or frequent spills can have a ha Species Water flea (Daphnia magna)	armful or damaging effect on the environmen Test Results 4025 - 6440 mg/l, 48 hours	
12. Ecological information Ecotoxicity Product METHYL ETHYL KETONE (CAN Aquatic	The produ possibility S 78-93-3)	that large or frequent spills can have a ha Species	armful or damaging effect on the environmer Test Results	
12. Ecological information Ecotoxicity Product METHYL ETHYL KETONE (CAN Aquatic Crustacea	The produ possibility S 78-93-3) EC50 LC50	that large or frequent spills can have a ha Species Water flea (Daphnia magna) Sheepshead minnow (Cyprinodon	Test Results 4025 - 6440 mg/l, 48 hours > 400 mg/l, 96 hours	
12. Ecological information Ecotoxicity Product METHYL ETHYL KETONE (CAN Aquatic Crustacea Fish Persistence and degradability	The produ possibility S 78-93-3) EC50 LC50	that large or frequent spills can have a ha Species Water flea (Daphnia magna) Sheepshead minnow (Cyprinodon variegatus)	Test Results 4025 - 6440 mg/l, 48 hours > 400 mg/l, 96 hours	
12. Ecological information Ecotoxicity Product METHYL ETHYL KETONE (CAN Aquatic Crustacea Fish Persistence and degradability Bioaccumulative potential Partition coefficient n-oct	The produ possibility S 78-93-3) EC50 LC50 No data is	that large or frequent spills can have a ha Species Water flea (Daphnia magna) Sheepshead minnow (Cyprinodon variegatus) available on the degradability of this subs	Test Results 4025 - 6440 mg/l, 48 hours > 400 mg/l, 96 hours	
12. Ecological information Ecotoxicity Product METHYL ETHYL KETONE (CAN Aquatic Crustacea Fish Persistence and degradability Bioaccumulative potential Partition coefficient n-oct 0.29	The produ possibility S 78-93-3) EC50 LC50 No data is canol / wate	that large or frequent spills can have a ha Species Water flea (Daphnia magna) Sheepshead minnow (Cyprinodon variegatus) available on the degradability of this subs er (log Kow)	Test Results 4025 - 6440 mg/l, 48 hours > 400 mg/l, 96 hours	
12. Ecological information Ecotoxicity Product METHYL ETHYL KETONE (CAN Aquatic Crustacea Fish Persistence and degradability Bioaccumulative potential Partition coefficient n-oct 0.29 Mobility in soil	The produ possibility S 78-93-3) EC50 LC50 No data is canol / wate No data av	that large or frequent spills can have a har Species Water flea (Daphnia magna) Sheepshead minnow (Cyprinodon variegatus) available on the degradability of this subs tr (log Kow) vailable.	Test Results 4025 - 6440 mg/l, 48 hours > 400 mg/l, 96 hours tance.	
12. Ecological information Ecotoxicity Product METHYL ETHYL KETONE (CAN Aquatic Crustacea Fish Persistence and degradability Bioaccumulative potential Partition coefficient n-oct 0.29	The produ possibility S 78-93-3) EC50 LC50 No data is canol / wate No data av The produ	that large or frequent spills can have a har Species Water flea (Daphnia magna) Sheepshead minnow (Cyprinodon variegatus) available on the degradability of this subs tr (log Kow) vailable.	armful or damaging effect on the environmen Test Results 4025 - 6440 mg/l, 48 hours > 400 mg/l, 96 hours	
12. Ecological information Ecotoxicity Product METHYL ETHYL KETONE (CAN Aquatic Crustacea Fish Persistence and degradability Bioaccumulative potential Partition coefficient n-oct 0.29 Mobility in soil	The produ possibility S 78-93-3) EC50 LC50 No data is canol / wate No data av	that large or frequent spills can have a har Species Water flea (Daphnia magna) Sheepshead minnow (Cyprinodon variegatus) available on the degradability of this subs tr (log Kow) vailable.	Test Results 4025 - 6440 mg/l, 48 hours > 400 mg/l, 96 hours tance.	

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	D001: Waste Flammable material with a flash point <140 F D035: Waste Methyl ethyl ketone The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
US RCRA Hazardous Wast	e U List: Reference
METHYL ETHYL KETONE	(CAS 78-93-3) U159
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal

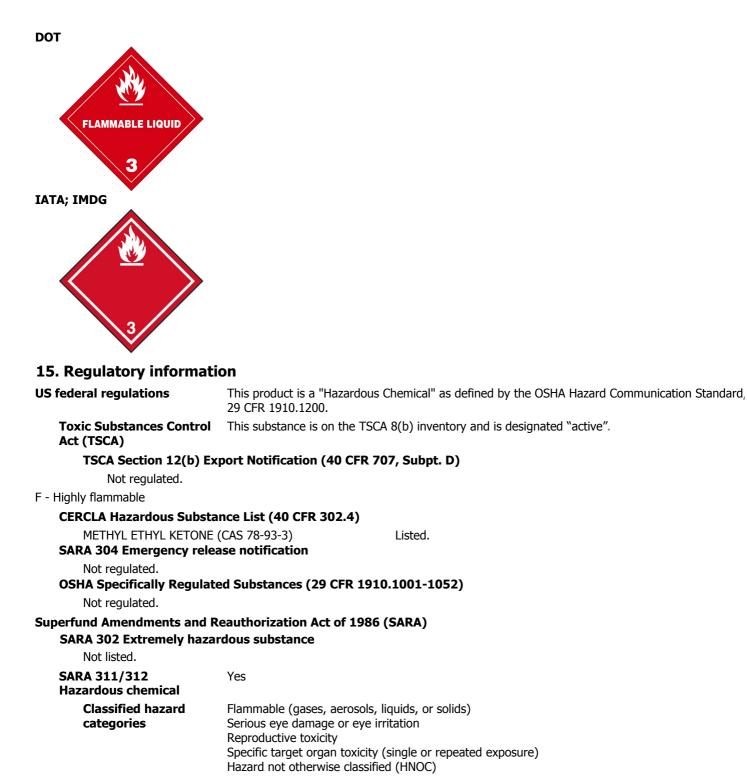
Contaminated packaging

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residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT	
UN number	UN1193
UN proper shipping name	Methyl ethyl ketone
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Special precautions for	Read safety instructions, SDS and emergency procedures before handling.
user	,
Special provisions	IB2, T4, TP1
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
IATA	
UN number	UN1193
UN proper shipping name	Methyl ethyl ketone
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	No.
ERG Code	3L
Special precautions for	Read safety instructions, SDS and emergency procedures before handling.
user	
Other information	
Passenger and cargo	Allowed with restrictions.
aircraft	
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN1193
UN proper shipping name	ETHYL METHYL KETONE
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-D
Special precautions for	Read safety instructions, SDS and emergency procedures before handling.
user	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.



SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Sectio Not regulated.	n 112 Hazardous Air Po	llutants (HAPs) List	
Clean Air Act (CAA) Sectio	n 112(r) Accidental Rel	ease Prevention (40	CFR 68.130)
Not regulated.			
Safe Drinking Water Act (SDWA)	Not regulated.		
Drug Enforcement Ad and Chemical Code Nu	. ,	2, Essential Chemic	als (21 CFR 1310.02(b) and 1310.04(f)(2)
METHYL ETHYL KET	ONE (CAS 78-93-3)	6714	
Drug Enforcement Ad	ministration (DEA). List	1 & 2 Exempt Chem	ical Mixtures (21 CFR 1310.12(c))
METHYL ETHYL KET	ONE (CAS 78-93-3)	35 %WV	

Listed.

METHYL ETHYL KETONE (CAS 78-93-3)

DEA Exempt Chemical Mixtures Code Number

METHYL ETHYL KETONE (CAS 78-93-3)

6714

Low priority

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

METHYL ETHYL KETONE (CAS 78-93-3)

US state regulations

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

METHYL ETHYL KETONE (CAS 78-93-3)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date Revision date Version #	June-06-2013 March-11-2019 02
Disclaimer	GFS Chemicals, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. 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.
Revision information	This document has undergone significant changes and should be reviewed in its entirety.