Safety Data Sheet
Eastman SPC 19010 MPK

Version 1.4 Revision Date: 04/18/2017

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Eastman SPC 19010 MPK

Recommended use of the chemical and restrictions on use

Recommended use : METHYL NORMAL PROPYL KETONE

Supplier or Repackaging Details

Company : Nexeo Solutions, LLC.
Address 3 Waterway Square Place Suite 1000
The Woodlands, TX. 77380
United States of America
Cage Code: : 4N760
NSN : 1 PT : 6810-01-459-1992
1 QT : 6810-01-459-1994
1 GL : 6810-01-459-1987
5 GL : 6810-01-459-1990
55 GL : 6810-01-459-1991

Manufactured By : Eastman Chemical Company

Emergency telephone number:
Health North America: 1-855-NEXEO4U (1-855-639-3648)
Health International: 1-855-NEXEO4U (1-855-639-3648)
Transport North America: CHEMTREC (1-800-424-9300)

Additional Information: : Responsible Party: Product Safety Group
E-Mail: msds@nexeosolutions.com
SDS Requests: 1-855-429-2661
SDS Requests Fax: 1-281-500-2370
Website: www.nexeosolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 2

Acute toxicity (Oral) : Category 4

Eye irritation : Category 2A

GHS Label element

Hazard pictograms :

Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical Name	Weight %
107-87-9	2-Pentanone	90 - 100
108-10-1	Methyl isobutyl ketone	10 - 20

Any Concentration shown as a range is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If breathed in, move person into fresh air.

		If unconscious place in recovery position and seek medical advice. Consult a physician after significant exposure.
In case of skin contact	:	Wash off with soap and water. If on clothes, remove clothes. Call a physician if irritation develops or persists.
In case of eye contact	:	Immediately flush eye(s) with plenty of water. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Foam Carbon dioxide (CO2) Dry chemical Water spray
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire-fighting	:	Do not allow run-off from fire fighting to enter drains or water courses. Flash back possible over considerable distance.
Hazardous combustion products	:	Carbon oxides
Specific extinguishing methods	:	Use a water spray to cool fully closed containers.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec-	:	Use personal protective equipment.

tive equipment and emergency procedures		Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
Advice on safe handling	:	Avoid formation of aerosol. Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	:	No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards. Possible peroxide former. Do not allow to evaporate to near dryness; store away from light and heat. Store under nitrogen after opening. Periodically test product stored for long periods for peroxide formation. Addition of water or appropriate reducing materials will lessen peroxide formation.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
107-87-9	2-Pentanone	STEL	150 ppm	ACGIH
		TWA	150 ppm 530 mg/m3	NIOSH REL
		TWA	200 ppm 700 mg/m3	OSHA Z-1
		TWA	200 ppm 700 mg/m3	OSHA P0
		STEL	250 ppm 875 mg/m3	OSHA P0
108-10-1	Methyl isobutyl ketone	TWA	20 ppm	ACGIH
		STEL	75 ppm	ACGIH
		TWA	50 ppm 205 mg/m3	NIOSH REL
		ST	75 ppm 300 mg/m3	NIOSH REL
		TWA	100 ppm 410 mg/m3	OSHA Z-1
		TWA	50 ppm 205 mg/m3	OSHA P0
		STEL	75 ppm 300 mg/m3	OSHA P0

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.
In the case of vapour formation use a respirator with an approved filter.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	Clear, Colorless
Odour	:	fruit-like odor
Odour Threshold	:	11 ppm
pH	:	No data available
Freezing Point (Melting point/range)	:	-78 °C (-108 °F)
Boiling Point (Boiling point/boiling range)	:	101 °C (214 °F)
Flash point	:	7.8 °C (46.0 °F) Method: Tag closed cup
Evaporation rate	:	2.3
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	8.7 %(V)
Lower explosion limit	:	1.56 %(V)
Vapour pressure	:	27.75 mmHg @ 20 °C (68 °F)
Relative vapour density	:	2.9 @ 20 - 25 °C (68 - 77 °F) (Air = 1.0)
Relative density	:	0.81 @ 20 °C (68 °F) Reference substance: (water = 1)
Density	:	No data available
Solubility(ies) Water solubility	:	partly soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	log Pow: 0.857
Auto-ignition temperature	:	449 - 450 °C
Thermal decomposition	:	No data available
Viscosity Viscosity, dynamic	:	0.607 mPa.s @ 20 °C (68 °F)

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Stable, however, forms peroxides of unknown stability.
Conditions to avoid	:	Keep away from heat, flame, sparks and other ignition sources. Exposure to air. Do not allow evaporation to dryness.
Incompatible materials	:	Strong oxidizing agents Acids Aldehydes Bases halogens oxidizers
Hazardous decomposition products	:	carbon dioxide and carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Acute toxicity estimate: 1,778 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate: > 40 mg/l Exposure time: 4 h Test atmosphere: vapour

Components:

107-87-9:

Acute oral toxicity	:	LD50 (Rat): 1,600 mg/kg Assessment: The component/mixture is moderately toxic after single ingestion.

108-10-1:

Acute inhalation toxicity	:	LC50 (Rat): 11.6 mg/l Exposure time: 4 h Test atmosphere: vapour Assessment: The component/mixture is moderately toxic after

short term inhalation.

Serious eye damage/eye irritation

Components:
107-87-9:
Species: Rabbit
Result: Irritating to eyes.

108-10-1:
Species: Rabbit
Result: Irritating to eyes.

Carcinogenicity

Product:

Carcinogenicity - Assessment	: Not classifiable as a human carcinogen.

IARC	Group 2B: Possibly carcinogenic to humans	
	108-10-1	Methyl isobutyl ketone
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	
ACGIH	Confirmed animal carcinogen with unknown relevance to humans	
	108-10-1	Methyl isobutyl ketone

STOT - single exposure

Components:
108-10-1:
Target Organs: Respiratory system
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

Further information

Product:
Remarks: Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential	:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information	:	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation):
UN1224, KETONES, LIQUID, N.O.S., (2-PENTANONE, METHYL ISOBUTYL KETONE), 3, II

IATA (International Air Transport Association):
UN1224, KETONES, LIQUID, N.O.S., (2-PENTANONE, METHYL ISOBUTYL KETONE) , 3, II

IMDG (International Maritime Dangerous Goods):
UN1224, KETONES, LIQUID, N.O.S., (2-PENTANONE, METHYL ISOBUTYL KETONE), 3, II, Flash Point:7.8 °C(46.0 °F)

SECTION 15. REGULATORY INFORMATION

WHMIS Classification : B2: Flammable liquid
D2A: Very Toxic Material Causing Other Toxic Effects
D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Methyl isobutyl ketone	108-10-1	5000	50000

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard
Immediate (Acute) Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

108-10-1 Methyl isobutyl ketone

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

108-10-1 Methyl isobutyl ketone

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

108-10-1 Methyl isobutyl ketone

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

107-87-9	2-Pentanone	90 - 100 %
108-10-1	Methyl isobutyl ketone	0 - 10 %

Massachusetts Right To Know

107-87-9	2-Pentanone	90 - 100 %
108-10-1	Methyl isobutyl ketone	10 - 20 %

Pennsylvania Right To Know

107-87-9	2-Pentanone	90 - 100 %
108-10-1	Methyl isobutyl ketone	0 - 10 %

Pennsylvania Right To Know

107-87-9	2-Pentanone	90 - 100 %
108-10-1	Methyl isobutyl ketone	10 - 20 %

New Jersey Right To Know

107-87-9	2-Pentanone	90 - 100 %
108-10-1	Methyl isobutyl ketone	0 - 10 %

New Jersey Right To Know

107-87-9	2-Pentanone	90 - 100 %
108-10-1	Methyl isobutyl ketone	10 - 20 %

California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

108-10-1	Methyl isobutyl ketone

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

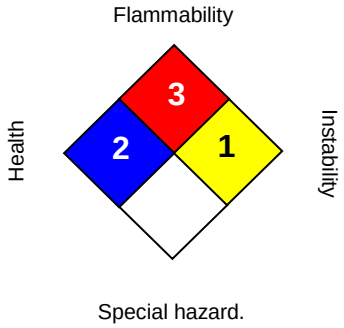
108-10-1	Methyl isobutyl ketone

The components of this product are reported in the following inventories:

TSCA	:	On TSCA Inventory
DSL	:	All components of this product are on the Canadian DSL
AICS	:	On the inventory, or in compliance with the inventory
ENCS	:	On the inventory, or in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory

SECTION16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	2*
FLAMMABILITY	3
PHYSICAL HAZARD	1

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 =Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by NEXEO™ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.

Revision Date : 04/18/2017

Material number:
16113801, 16105392, 16056465, 16056464, 16056463, 16056462, 16056461, 16056460

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic

GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50		Lethal Concentration 50%	