Safety Data Sheet

According to Regulation (EC) No 1907/2006

Propylene Glycol Methyl Ether Acetate

Version 1.7

Issue date: 28/09/2020

Revision date: 28/09/2020 **SDS Record Number: SDS-HL-PMA-200902**

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name:	Propylene Glycol Methyl Ether Acetate; 2-methoxy-1-methylethyl acetate
Additional identification:	Not available
Identification of the product:	CAS#108-65-6 EC#203-603-9
Index Number:	
REACH registration No.:	01-2119475791-29-0007

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Mainly used as solvent of dispersants in inks, paints, textile dyes,

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier (Only representative):	-
Supplier(Manufacturer):	Jiangsu Hualun Chemical Industry Co., Ltd.
Address:	No.39 Renmin Middle Road, Dinghuo Town, Jiangdu City , Jiangsu Provice, China
Contact person(E-mail):	-
Telephone:	+86-514-86507985
Fax:	+86-514-86501755

1.4 Emergency telephone Number:

+86-514-86507985

Available outside office hours? YES [ ] NO [X]

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The substance is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Flam. Liq. 3	H226

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms:

Signal Word(S): Warning

Hazard Statement:

Physical Hazards:
H226: Flammable liquid and vapour
Health Hazards:
Not classified as a health hazard under GHS criteria
Environment Hazards:
Not classified as an environmental hazard under GHS criteria.

Precautionary statement:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
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.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P308 + P313: IF exposed or concerned: Get medical advice/attention.
P370 + P378: In case of fire: Use sand, dry chemical, carbon dioxide to extinguish.
P403 + P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
P501: Dispose of contents/container in accordance with local regulation.

2.3 Other hazards:

Vapours are heavier than air.Vapours may travel across the ground and reach remote ignition sources causing a flashback fire danger.

Section 3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
2-methoxy-1-methylethyl acetate	01-2119475791-29-0007	108-65-6	203-603-9	> 99.5%
2-methoxypropyl acetate	N/A	70657-70-4	274-724-2	< 0.5%

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Remove the source of contamination or move victim to fresh air. Keep respiratory tract smooth. If breathe hard, administer oxygen by a trained person. If not breathing, give artificial respiration.

4.1.2 In case of skin contact:

Immediately take off the all contaminated clothing, wash skin with soap and flush with large amounts of water. If irritation continues, get medical attention. Wash contaminated clothing before reuse.

4.1.3 In case of eyes contact:

Immediately flush eyes with plenty of water or normal saline for at least 15 minutes. Get medical attention.

4.1.4 In case of ingestion:

If large quantity swallowed, give lukewarm water if victim completely conscious/alert. Do not induce vomiting. Risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention.

4.2 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:	Sands, dry chemical, carbon dioxide.
Unsuitable extinguishing media:	None
5.2 Special hazards arising from the substance or mixture	Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide.
5.3 Advice for firefighters:	Firefighters must wear fire resistant protective equipment. Wear approved respirator and protective gloves.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:	Give an alarm immediately. Keep unauthorized personnel away. Isolate spill or leak area immediately. Wear appropriate personal protective equipment during cleanup. Dike ahead of liquid spill for later disposal. Prevent entry into sewers, waterways or confined areas.
6.1.2 For emergency responders:	Wear an appropriate NIOSH/MSHA approved respirator if vapor is generated.
6.2 Environmental Precautions:	Do not allow material to be released to the environment without proper governmental permits
6.3 Methods for Containment and Cleaning up:	Small Spills: Absorb with earth, sand or other non-combustible material, collect and seal in properly labeled containers for later disposal. Large Spills: Clear spill area of all non-emergency personnel. Surfaces may become slippery after spillage. Shut off source of leak if safe to do so. Dike and contain spill. Prevent entry into sewers, waterways. Remove with vacuum trucks or pump to specific container, collect and deliver to the authorized agent in the local area for disposal.
6.4 Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
7.1.2 Advice on general occupational hygiene:	Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.
7.2 Conditions for safe storage, including any incompatibilities:	Store only in tightly closed, properly vented containers away from heat, sparks, open flame and strong oxidizing agents. Storage under nitrogen atmosphere is

recommended to minimize possible formation of highly reactive peroxides. Store in properly lined steel/stainless steel to avoid slight discoloration from mild steel/copper. Aluminum (5000 series alloys - U.S. Aluminum Association Standard) showed no corrosion after 30 days contact with PM Acetate, or PM at 71°C(160°F). Some plastics/rubbers are attacked by Glycol Ethers/Ether Esters. This product will absorb water if exposed to air.

7.3 Specific end use(s): Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

Contains no substances with occupational exposure limit values.
No biological limit allocated

8.2 Exposure controls:

8.2.1Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear chemical goggles and face shield.

Hand protection: Wear chemical resistant gloves such as: Neoprene.

Body protection: Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves.

Respiratory protection: No need of special protection in ordinary situation. If vapors are present or irritation is experienced, an approved (e.g. NIOSH approved) respiratory protection for organic vapors should be worn.

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment.
According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Colour:	Colorless
Odour:	Aromatic, fruity odor
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	-66 °C
Boiling point/range (°C):	145.8 °C
Flash point (°C):	45.5 °C
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	7 %/1.5 %
Vapour pressure (20°C):	2.6 mm Hg
Vapour density:	Not available
Density:	0.967 g/cm³(20 °C)

Bulk density (kg/m^3):	Not available
Water solubility (g/l):	198 g/L
n-Octanol/Water (log Po/w):	1.2
Auto-ignition temperature:	333 °C
Decomposition temperature:	Not available
Viscosity:	1.23mm²/s(20°C)
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	$C_6H_{12}O_3$
Molecular Weight:	132.16

9.2. Other information:

Fat solubility(solvent– oil to be specified) etc:	Not available
Surface tension:	27.6 mN/m(20 °C)
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials. Extended contact with air, oxygen and strong oxidizing agents.
10.5 Incompatible materials:	Strong oxidizing agents. Moisture and humidity. May react with oxygen to form peroxides. However, there is no known evidence that it has nearly the peroxide forming potential as, for example, diethyl ether, etc.
10.6 Hazardous decomposition products:	Upon decomposition or degradation, this product may yield Carbon Monoxide and other toxic vapors.

Section 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	
LD50(Oral, Rat):	> 5000 mg/kg
LD50(Dermal, Rabbit):	> 5000 mg/kg
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Prolonged contact is essentially nonirritating to skin.
	Repeated contact may cause skin irritation with local redness.
Serious eye damage/irritation:	May cause slight eye irritation.
	May cause slight corneal injury.
Respiratory or skin sensitization:	Did not cause allergic skin reactions when tested in guinea pigs.
	For respiratory sensitization: No relevant data found.

Germ cell mutagenicity: In vitro genetic toxicity studies were negative.

Carcinogenicity: Similar material(s) did not cause cancer in laboratory animals.

Reproductive toxicity: In animal studies, did not interfere with reproduction.

In animal studies, did not interfere with fertility.

STOT- single exposure: May cause drowsiness or dizziness.

STOT-repeated exposure: In animals, effects have been reported on the following organs:

Kidney/Liver/Nasal tissue.

Aspiration hazard: Based on physical properties, not likely to be an aspiration hazard.

Section 12 Ecological information

12.1Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	100 - 180 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	> 500 mg/L	48h	Daphnia	OECD 202	N/A	N/A
ErC50	> 1000 mg/L	96h	Algae	OECD 201	N/A	N/A

12.2 Persistence and degradability: Readily biodegradable.

12.3 Bioaccumulative potential: Bioconcentration potential is low

12.4 Mobility in soil: Potential for mobility in soil is very high

12.5 Results of PBT&vPvB assessment: The substance is not PBT / vPvB.

12.6 Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: Due to the high risk of contamination recycling/recovery is not recommended. Waste disposal in accordance with regulations (most probably controlled incineration).

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	3272	3272	3272
UN Proper shipping name	ESTERS, N.O.S. (Propylene Glycol Methyl Ether Acetate)	ESTERS, N.O.S. (Propylene Glycol Methyl Ether Acetate)	ESTERS, N.O.S. (Propylene Glycol Methyl Ether Acetate)
Transport hazard Class	3	3	3
Packaging group	III	III	III
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBC Code	IBC03	IBC03	IBC03

Section 15 Regulation information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

15.2 Chemical Safety Assessment has been carried out? YES [ ] NO [X]

Section 16 Other information

16.1 Indication of changes:

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16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.