

Material Safety Data Sheet

2-(1-Methoxy)propyl Acetate, 97% (GC)

ACC# 04396

Section 1 - Chemical Product and Company Identification

MSDS Name: 2-(1-Methoxy)propyl Acetate, 97% (GC)

Catalog Numbers: AC413900000, AC413900010, AC413900250

Synonyms: 1-Methoxy-2-Acetoxypropane; 1,2-Propandiol Monomethyl Ether Acetate

Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01

For emergencies in the US, call CHEMTRAC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
108-65-6	2-(1-Methoxy)Proxy Acetate	97%	203-603-9
7732-18-5	Water	Balance	231-791-2

Hazard Symbols: XI

Risk Phrases: 10 36/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colourless liquid. Flash Point: 42 deg C. Flammable liquid. **Warning!** May form explosive peroxides. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

Target Organs: None known.

Potential Health Effects

Eye: Causes mild eye irritation.

Skin: Causes mild skin irritation.

Ingestion: May cause irritation of the digestive tract.

Inhalation: Inhalation of vapor may cause respiratory tract irritation.

Chronic: No information found.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. May be ignited by heat, sparks, and flame. Vapors may form an explosive mixture with air. Containers may explode when heated.

Extinguishing Media: Use water spray to cool fire-exposed containers. Use water fog, dry chemical, carbon dioxide, or regular foam. Contact professional fire-fighters immediately. Cool containers with flooding quantities of water until well after fire is out.

Flash Point: 42 deg C (107.60 deg F)

Autoignition Temperature: 333 deg C (631.40 deg F)

Explosion Limits, Lower: 1.30 vol %

Upper: 13.10 vol %

NFPA Rating: (estimated) Health: 1; Flammability: 2; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
2-(1-Methoxy)Proxy Acetate	none listed	none listed	none listed
Water	none listed	none listed	none listed

OSHA Vacated PELs: 2-(1-Methoxy)Proxy Acetate: No OSHA Vacated PELs are listed for this chemical. Water: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: colourless
Odor: Ethereal odor.
pH: Not available.
Vapor Pressure: 4.9 mbar @ 20 deg C
Vapor Density: 4.6 (air=1)
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 146 deg C @ 760.00mm Hg
Freezing/Melting Point: -67 deg C
Decomposition Temperature: Not available.
Solubility: Soluble.
Specific Gravity/Density: .9690g/cm³
Molecular Formula: C₆H₁₂O₃
Molecular Weight: 132.16

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures. This material may be sensitive to peroxide formation.
Conditions to Avoid: Incompatible materials, ignition sources, excess heat.
Incompatibilities with Other Materials: Oxidizing agents - strong acids - strong bases.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:
CAS# 108-65-6: AI8925000
CAS# 7732-18-5: ZC0110000
LD50/LC50:
CAS# 108-65-6:
Oral, rat: LD50 = 8532 mg/kg;
Skin, rabbit: LD50 = >5 gm/kg;
CAS# 7732-18-5:
Oral, rat: LD50 = >90 mL/kg;
Carcinogenicity:
CAS# 108-65-6: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. CAS# 7732-18-5: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology: No data available.
Teratogenicity: No data available.
Reproductive Effects: No data available.
Neurotoxicity: No data available.
Mutagenicity: Results of in vitro (Test tube) mutagenicity tests have been negative.
Other Studies: No data available.

Section 12 - Ecological Information

Ecotoxicity: No data available. Static acute LC50 for Fathead Minnow is 161 mg/l. Material is practically non-toxic to fish on an acute basis (LC50>100 mg/l). Static acute LC50 for daphnids (Daphnia magna) is reported to be 408 mg/L. Material is practically non-toxic to aquatic invertebrates on a static acute basis (LC50>100 mg/l).
Environmental: No information available.
Physical: No information available.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	FLAMMABLE LIQUIDS, N.O.S.				FLAMMABLE LIQUID NOS (METHOXYPROPYLACETATE)
Hazard Class:	3				3
UN Number:	UN1993				UN1993
Packing Group:	III				III
Additional Info:					FP 48 C

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 108-65-6 is listed on the TSCA inventory.

CAS# 7732-18-5 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 108-65-6 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

XI

Risk Phrases:

R 10 Flammable.

R 36/38 Irritating to eyes and skin.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

WGK (Water Danger/Protection)

CAS# 108-65-6: 1

CAS# 7732-18-5: No information available.

Canada - DSL/NDSL

CAS# 108-65-6 is listed on Canada's DSL List.

CAS# 7732-18-5 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of B3, D2B.

Canadian Ingredient Disclosure List**Exposure Limits****Section 16 - Additional Information****MSDS Creation Date:** 10/07/1998**Revision #2 Date:** 8/02/2000

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.