

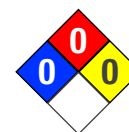


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Issue Date: 19/09/2019
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HEALTH	0
FIRE	0
REACTIVITY	0
PERSONAL PROTECTION	0

SAFETY DATA SHEET

Product Code: CPLH0001

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SECTION 1 PRODUCT IDENTIFICATION

Trade name: Methanol Gel, Handy Fuel,
Recommended use: Fuel
Restrictions on use: No relevant information available

SECTION 2 HAZARD IDENTIFICATION

Classification of the substance or mixture Flam. Sol. 1 H228 Flammable solid.
Acute Tox. 3 H301 Toxic if swallowed.
Acute Tox. 3 H311 Toxic in contact with skin.
Acute Tox. 3 H331 Toxic if inhaled.
STOT SE 1 H370 Causes damage to the central nervous system and optic nerve.

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:



Flame



Skull and Crossbones



Health Hazard

Signal word: Danger

Hazard statements: H228 Flammable solid.
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.
H370 Causes damage to the central nervous system and optic nerve.

Precautionary statements: P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P232 Protect from moisture.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P260 Do not breathe vapors.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P330 Rinse mouth.
P302+P352 If on skin: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a poison center/doctor if you feel unwell.
P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations

Other hazards There are no other hazards not otherwise classified that have been identified.



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SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Ingredients	CAS Number	
Methanol	67-56-1	Flam. Liq. 2, H225 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT SE 1, H370 Eye Irrit. 2B, H320

Additional information: For the wording of the listed Hazard Statements, refer to section 16.
For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret

SECTION 4 FIRST AID MEASURES

General information: Immediately remove any clothing soiled by the product.
Remove breathing apparatus only after contaminated clothing have been completely removed.
In case of irregular breathing or respiratory arrest provide artificial respiration.

After inhalation: Supply fresh air or oxygen; call for doctor.
Provide oxygen treatment if affected person has difficulty breathing.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately rinse with water.
If skin irritation continues, consult a doctor.

After eye contact: Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.

Most important symptoms and effects, both acute and delayed: Headache Acidosis
Thirst Blindness
Dizziness Disorientation
Nausea Unconsciousness

Danger: Danger of circulatory collapse.
Danger of convulsion.
Danger of impaired breathing.
Toxic if swallowed, in contact with skin or if inhaled.

Indication of any immediate medical attention and special treatment needed: If swallowed, gastric irrigation with added, activated carbon.
Monitor circulation, possible shock treatment.
If necessary oxygen respiration treatment.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: None.

Special hazards arising from the substance or mixture No relevant information available.

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Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.
Wear fully protective suit.

Additional information: Eliminate all ignition sources if safe to do so.
Cool endangered receptacles with water spray.
Use large quantities of foam as it is partially destroyed by the product

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation.
Keep away from ignition sources.
Wear protective equipment. Keep unprotected persons away.

Environmental precautions Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up Pick up mechanically.
Clean the affected area carefully; suitable cleaners are:
Warm water

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 disposal information.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Store in cool, dry place in tightly closed receptacles.
Use only in well ventilated areas.
Open and handle receptacle with care.

Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

Requirements to be met by storerooms and receptacles: Store in cool, dry conditions in well sealed receptacles.

Information about storage in one common storage facility: Store away from oxidizing agents.
Store away from foodstuffs.

Specific end use(s) No relevant information available.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace:

PEL (USA) Long-term value: 260 mg/m³, 200 ppm

REL (USA) Short-term value: 325 mg/m³, 250 ppm
Skin Long-term value: 260 mg/m³, 200 ppm

TLV (USA) Short-term value: 328 mg/m³, 250 ppm
Long-term value: 262 mg/m³, 200 ppm
Skin; BEI

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EL (Canada)	Short-term value: 250 ppm Long-term value: 200 ppm Skin
EV (Canada)	Short-term value: 325 mg/m ³ , 250 ppm Long-term value: 260 mg/m ³ , 200 ppm Skin
LMPE (Mexico)	Short-term value: 250 ppm Long-term value: 200 ppm PIEL, IBE

Ingredients with biological limit values:

BEI (USA)	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
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General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin. Do not inhale gases / fumes / aerosols.

Engineering controls: No relevant information available.

Breathing equipment: Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation. Use suitable respiratory protective device when high concentrations are present. For large spills, respiratory protection may be advisable.

Protection of hands: Wear protective gloves to handle contents of damaged or leaking units. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.



Protective gloves

Eye protection:



Safety Glasses

Body protection: Protective work clothing

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Form:	Solid material
Color:	Blue
Odor:	Alcohol-like



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Odor threshold:	Not determined.
pH-value at 20 °C (68 °F):	7
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	78 °C (172.4 °F)
Flash point:	11 °C (51.8 °F)
Flammability (solid, gaseous):	Highly flammable.
Auto-ignition temperature:	455 °C (851 °F)
Decomposition temperature:	Not determined.
Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.
Explosion limits Lower:	5.5 Vol %
Explosion limits Upper:	44.0 Vol %
Oxidizing properties:	Not determined.
Vapor pressure at 20 °C (68 °F):	128 hPa (96 mm Hg)
Relative density:	0.85
Vapor density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with Water:	Soluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity Dynamic:	Not applicable.
Viscosity Kinematic:	Not applicable.
Other information	No relevant information available

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	No relevant information available.
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Possibility of hazardous reactions	Flammable solid. Reacts with strong oxidizing agents.
Conditions to avoid	Keep ignition sources away - Do not smoke. Store away from oxidizing agents. Excessive heat.
Incompatible materials	No relevant information available.
Hazardous decomposition products	Carbon monoxide and carbon dioxide



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SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity:	Toxic if swallowed, in contact with skin or if inhaled.
LD/LC50 values that are relevant for classification:	None.
Primary irritant effect:	
On the skin:	Based on available data, the classification criteria are not met.
On the eye:	Based on available data, the classification criteria are not met.
Sensitization:	Based on available data, the classification criteria are not met.
IARC (International Agency for Research on Cancer):	None of the ingredients are listed.
NTP (National Toxicology Program):	None of the ingredients are listed.
OSHA-Ca (Occupational Safety & Health Administration):	None of the ingredients are listed.
Probable route(s) of exposure:	Eye contact. Skin contact.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Causes damage to the central nervous system and optic nerve.
STOT-repeated exposure:	Based on available data, the classification criteria are not met
Aspiration hazard:	Based on available data, the classification criteria are not met

SECTION 12 ECOLOGICAL INFORMATION

Aquatic toxicity	No relevant information available.
Persistence and degradability	Biodegradable.
Other information:	The product is biodegradable.
Bioaccumulative potential:	Does not accumulate in organisms
Mobility in soil:	No relevant information available.
General notes:	Avoid release to the environment.
Other adverse effects	No relevant information available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods Recommendation:	The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
Uncleaned packagings Recommendation:	Disposal must be made according to official regulations

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SECTION 14 TRANSPORT INFORMATION

	DOT	ADR	RID	ADN	IMDG	IATA
UN Number	UN1325					UN2926
UN proper shipping name	FLAMMABLE SOLID, ORGANIC, N.O.S. (METHANOL)					FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S. (METHANOL)
Transport hazard class(es)					 	
Class	4.1					4.1
Label	4.1					4.1+6.1
Packing group	II	II	II	II	II	II
Transport/Additional information	Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 kg each.					Limited Quantity for packages less than 30 kg gross and inner packagings less than 0.5 kg each / 1 kg net.

Marine pollutant: No

Special precautions for user Warning: Flammable solids, self-reactive substances and solid desensitised explosives

Danger code (Kemler): 46

EMS Number: F-A,S-G

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

SECTION 15 REGULATORY INFORMATION

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

United States (USA)

SARA

Section 302 (extremely hazardous substances): None of the ingredients are listed.

Section 355 (extremely hazardous substances): None of the ingredients are listed.



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Section 313 (Specific toxic chemical listings):	67-56-1 Methanol
TSCA (Toxic Substances Control Act)	All ingredients are listed or exempt.
Proposition 65 (California)	
Chemicals known to cause cancer:	None of the ingredients are listed.
Chemicals known to cause developmental toxicity for females:	None of the ingredients are listed.
Chemicals known to cause developmental toxicity for males:	None of the ingredients are listed.
Chemicals known to cause developmental toxicity:	67-56-1 Methanol
EPA (Environmental Protection Agency):	None of the ingredients are listed.
IARC (International Agency for Research on Cancer):	None of the ingredients are listed.
Canadian Domestic Substances List (DSL):	None of the ingredients are listed.

SECTION 16 OTHER INFORMATION

Abbreviations and acronyms	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent OSHA: Occupational Safety & Health Administration Flam. Liq. 2: Flammable liquids – Category 2 Flam. Sol. 1: Flammable solids – Category 1 Acute Tox. 3: Acute toxicity – Category 3 Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
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END OF SDS