Safety Data Sheet

Section 1: Identification

1.1 Product name: Oil Pro OFS-112

1.2

1.3 Recommended use of chemical and restrictions on use:

1.4 Supplier's Details

ARC Products INC
4010 La Reunion Parkway
Suite 160
Dallas, TX 75212

Emergency Telephone Number:

1.5

(800) 424-9300
Chemtrec 24 hours

Section 2: Hazard(s) Identification

2.1 Classification of Substance or Mixture:

2.1.1 GHS Classification [EC Regulation No 1272/2008 and US OSHA regulations]

Toxic to Reproduction 2
Acute ToxicityDermal 3
(Corrosion)Damage/
irritationEye 2A Acute
ToxicityInhalation 3
FlammableLiquids 3
Acute ToxicityOral 3 STOTSingle
exposure 1

2.1.2 EC: Classification according to 67/548/EEC or 1999/45/EC [DSD/DPD]

FLAMMABLE LIQUIDS - TOXIC

2.2 Label Elements:

2.2.3 Hazard Pictograms(s):



2.2.4 Signal Word(s):

Danger

2.2.5 Hazard Statement(s):

H319-Causes serious eye irritation
H311-Toxic in contact with skin
H331-Toxic if inhaled
H301-Toxic if swallowed
H370-Causes damage to organs <...organs> <...by route of exposure if conclusively proven that no other route applies>
H361-Suspected of damaging fertility or the unborn child <...effect if known> <...by route of exposure if conclusively proven that no other route applies> H226-Flammable liquid and vapour

2.2.6 Precautionary Statements:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P270 - Do no eat, drink or smoke when using this product.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minuts. Remove contact lenses, if present and easy to do. Continue rinsing. P264 - Wash face, hands and any exposed skin thoroughly after handling.
P363 - Wash contaminated clothing before reuse.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P405 - Store locked up.
P361 - Remove/Take off immediately all contaminated clothing.
P304 + P312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P501-Dispose of contents/container according to (local, regional, national, territorial, provincial, and international regulations.)
P322 - Specific measures (see .? on this label).
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P271 - Use only outdoors or in a well-ventilated area.
P321 - Specific treatment (see supplemental instructions on the administration of antidotes on this label).
P311 - Call a POISON CENTER or doctor/physician.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P330 - Rinse mouth.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P260 - Do not breathe vapour.
P307 + P311 - IF exposed: Call a POISON CENTER or doctor/physician.
P281 - Use personal protective equipment as required.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.
P202 - Do not handle until all safety precautions have been read and understood.
P201 - Obtain special instructions before use.
P243 - Take precautionary measures against static discharge.
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P241 - Use explosion-proof electrical/ventilating/lighting/.?/ equipment.
P403 + P235 - Store in a well-ventilated place. Keep cool.
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240 - Ground/bond container and receiving equipment.
P233 - Keep container tightly closed.
P242 - Use only non-sparking tools.
P370+P378- In case of fire use (appropriate media) for extinction

* See Section 3 For Toxicological Classification of Ingredients

Section 3: Composition/Information on Ingredients

3.1 Substances:

3.1.1 GHS Classification [EC: Regulation No 1272/2008; US: OSHA regulations]

Chemical Name:	Common Name/Synonyms:	CAS #	Wt. %	HSNO	GHS	NFPA	Haz State ment Code
METHANOL		67-56-1	0.1%-30%	6.8B 6.1C (inhalation) 6.1C (dermal) 9.3C 6.4A 6.1C (oral) 6.9A (inhalation) 3.1B	Toxic to Reproduction 2 Acute Toxicity Inhalation 3 Acute Toxicity Dermal 3 (Corrosion)Damage/ irritation Eye 2A Acute Toxicity Oral 3 STOT Single exposure 1 Flammable Liquids 2		H361 H331 H311 H319 H301 H370 H225

Section 4: First-Aid Measures

· Move victim to fresh air.

· Call 911 or emergency medical service.

· Give artificial respiration if victim is not breathing.

· Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

· Administer oxygen if breathing is difficult.

· Remove and isolate contaminated clothing and shoes.

· In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.

· Wash skin with soap and water.

· In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.

· Keep victim warm and quiet.

· Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

· Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Section 5: Fire-Fighting Measures

5.1 **Fire-Fighting Measures**

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

Fire involving Tanks or Car/Trailer Loads

· Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.

· Cool containers with flooding quantities of water until well after fire is out.

· Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

· ALWAYS stay away from tanks engulfed in fire.

Large Fire

· For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

· Water spray, fog or alcohol-resistant foam.

· Move containers from fire area if you can do it without risk.

· Dike fire-control water for later disposal; do not scatter the material.

Small Fire

· Use water spray or fog; do not use straight streams.

· Dry chemical, CO_2, water spray or alcohol-resistant foam.

5.2 Fire Hazards

· HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.

· Vapors may form explosive mixtures with air.

· Vapors may travel to source of ignition and flash back.

· Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

· Vapor explosion and poison hazard indoors, outdoors or in sewers.

· Those substances designated with a (P) may polymerize explosively when heated or involved in a fire.

· Runoff to sewer may create fire or explosion hazard.

· Containers may explode when heated.

· Many liquids are lighter than water.

* See Section 8 For Fire Response PPE

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Section 6: Accidental Release Measures

6.1 Non-Fire Response Measures

6.2 Isolation Measures

· Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire.

· ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

· All equipment used when handling the product must be grounded.

· Do not touch or walk through spilled material.

· Stop leak if you can do it without risk.

· Prevent entry into waterways, sewers, basements or confined areas.

· A vapor suppressing foam may be used to reduce vapors.

Large Spill

· Dike far ahead of liquid spill for later disposal.

· Water spray may reduce vapor; but may not prevent ignition in closed spaces.

Small Spill

· Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

· Use clean non-sparking tools to collect absorbed material.

Section 7: Handling and Storage

P280 - Wear protective gloves/protective clothing/eye protection/face

protection. P270 - Do no eat, drink or smoke when using this product.

P264 - Wash face, hands and any exposed skin thoroughly after handling. P405 -

Store locked up.

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

P271 - Use only outdoors or in a well-ventilated area.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P260 - Do not breathe vapour.

P281 - Use personal protective equipment as required.

P202 - Do not handle until all safety precautions have been read and

understood. P201 - Obtain special instructions before use.

P243 - Take precautionary measures against static discharge.

P241 - Use explosion-proof electrical/ventilating/lighting/.?/ equipment.

P403 + P235 - Store in a well-ventilated place. Keep cool.

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P240 - Ground/bond container and receiving equipment.

P233 - Keep container tightly closed.

P242 - Use only non-sparking tools.

Section 8: Exposure Controls/Personal Protection

8.1 Protective Clothing

· Wear positive pressure self-contained breathing apparatus (SCBA).

· Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

· Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Chemical Name:	CAS #	REL TWA ppm	REL TWA mg/m3	NIOSH REL	NIOSH PEL

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance (physical state, color, etc.);	Cloudy pale liquid.
Odor:	
Odor threshold;	
pH:	9.0-10.0

Evaporation rate;

Flammability (solid, gas): NFPA Flam: 2

Partition coefficient: n-octanol/

water: Pounds Per Gallon:

Specific Gravity: 0.99-1.01

Viscosity

Name	Value	Range	Source	Notes
Vapor pressure				
Upper Explosive Limit				Not Established.
Lower Explosive Limit				Not Established.
Vapor pressure:				
Vapor Density:				
Relative density:				
Melting point/freezing point:				
Solubility(ies);				Soluble.
Boiling Point				
Flash point	105			Fahrenheit
Auto-ignition temperature				Not Established.
Decomposition Temp:				

Section 10: Stability and Reactivity

10.1 Reactivity & Stability

Highly flammable. Soluble in water in all proportions.

10.2 Chemical Reactivity Profile

METHANOL reacts violently with acetyl bromide [Merck 11th ed. 1989]. Mixtures with concentrated sulfuric acid and concentrated hydrogen peroxide can cause explosions. Reacts with hypochlorous acid either in water solution or mixed water/carbon tetrachloride solution to give methyl hypochlorite, which decomposes in the cold and may explode on exposure to sunlight or heat. Gives the same product with chlorine. Can react explosively with isocyanates under basic conditions. The presence of an inert solvent mitigates this reaction [Wischmeyer 1969]. A violent exothermic reaction occurred between methyl alcohol and bromine in a mixing cylinder [MCA Case History 1863. 1972]. A flask of anhydrous lead perchlorate dissolved in methanol exploded when it was disturbed [J. Am. Chem. Soc. 52:2391. 1930]. P4O6 reacts violently with methanol. (Thorpe, T. E. et al., J. Chem. Soc., 1890, 57, 569-573). Ethanol or methanol can ignite on contact with a platinum-black catalyst. (Urben 1794).

Section 11: Toxicological Information

· TOXIC; may be fatal if inhaled, ingested or absorbed through skin.

· Inhalation or contact with some of these materials will irritate or burn skin and eyes.

· Fire will produce irritating, corrosive and/or toxic gases.

· Vapors may cause dizziness or suffocation.

· Runoff from fire control or dilution water may cause pollution.

Section 12: Ecological Information (non-mandatory)

Section 13: Disposal Considerations (non-mandatory)

This section provides guidance on proper disposal practices, recycling or reclamation of the chemical(s) or its container, and safe handling practices. To minimize exposure, this section should also refer the reader to Section 8 (Exposure Controls/Personal Protection) of the SDS. The information may include:

Disposal:

P270 - Do no eat, drink or smoke when using this product.
P501-Dispose of contents/container according to (local, regional, national, territorial, provincial, and international regulations.)

Section 14: Transport Information (non-mandatory)

Chemical Name:	CAS #	UN #	UN Name	DOT Haz	Packing Group	Provisions
OSI NE-105		1993		Flammable Liquid, N.O.S., (contains Methanol), Class 3	III	

This section provides guidance on classification information for shipping and transporting of hazardous chemical(s) by road, air, rail, or sea. The information may include:

- UN number (i.e., four-figure identification number of the substance)[1].
- UN proper shipping name[1].
- Transport hazard class(es)[1].
- Packing group number, if applicable, based on the degree of hazard[2].
- Environmental hazards (e.g., identify if it is a marine pollutant according to the International Maritime Dangerous Goods Code (IMDG Code)).
- Guidance on transport in bulk (according to Annex II of MARPOL 73/78[3] and the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code (IBC Code)).
- Any special precautions which an employee should be aware of or needs to comply with, in connection with transport or conveyance either within or outside their premises (indicate when information is not available).

Section 15: Regulatory Information (non-mandatory)

This section identifies the safety, health, and environmental regulations specific for the product that is not indicated anywhere else on the SDS. The information may include:

- Any national and/or regional regulatory information of the chemical or mixtures (including any OSHA, Department of Transportation, Environmental Protection Agency, or Consumer Product Safety Commission regulations)

Section 16: Other Information

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Guide to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

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