



Spartan Chemical Company, Inc. Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):
M.O.A.C.
Product Number: 2945

Product Division:
IPG

Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee OH 43537

Product/Technical Information: **1-(800)-537-8990**
Medical Emergency: **1-(888)-314-6171 (24 hours)**
Chemical Leak/Spil Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Compounds, metal cutting, liquids, n.o.s.

NFPA Ratings:	HMIS Ratings:
Health: 1- Slight Fire: 1- Slight Reactivity: 0 - Minimal	Health: 1- Slight Fire: 1- Slight Reactivity: 0 - Minimal Pers. Prot. Equip.: See Section VIII

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
Hydrotreated naphthenic oil	15-20	64742-52-5	5 (Oil mist)	Not Established	Not Established	No
Hydrotreated naphthenic oil	15-20	64742-53-6	5 (Oil mist)	Not Established	Not Established	No
Chlorinated paraffin	20-30	63449-39-8	Not Established	Not Established	Not Established	No
Petroleum sulfonate	10-15	68608-26-4	Not Established	Not Established	Not Established	No
Polymerized vegetable oil	1-5	68918-91-2	Not Established	Not Established	Not Established	No
Tall oil fatty acids	1-5	8002-26-4	Not Established	Not Established	Not Established	No
Diethylene glycol	1-5	111-46-6	Not Established	Not Established	Not Established	No
Hexylene glycol	1-5	107-41-5	Not Established	Not Established	121 (ACGIH)	No
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine	1-5	4719-04-4	Not Established	Not Established	Not Established	No
	-	-	-	-	-	-

SECTION III: PHYSICAL DATA

Boiling Point: In excess of 300 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Undetermined	Solubility in Water: Forms an emulsion
pH: 10-11 (10% emulsion)	Specific Gravity (H ₂ O=1): 1.023
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 85-90
Physical State: Liquid	
Appearance & Odor: Light brown oil	

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: Greater than 230 °F	Method Used: ASTM-D56
Flammable Limits: Undetermined	Flame Extension: N/A
Extinguishing Media: Foam, dry chemical, CO ₂ , water fog or spray	
Special Fire Fighting Procedures: Use air supplied breathing equipment for enclosed areas. Avoid breathing vapor or fumes.	
Unusual Fire & Explosive Hazards: Do not mix or store with strong oxidants like liquid chlorine or concentrated oxygen.	

SECTION V: HEALTH HAZARD DATA

Threshold Limit Value: Not Established	Primary Routes of Entry: Inhalation, Skin Contact, Eyes & Oral
Effects of Overexposure- Conditions to Avoid:	Causes eye irritation: Symptoms may include pain, tearing and redness. Causes skin irritation: Symptoms may include redness, pain and possible dermatitis. Harmful if swallowed: Symptoms include stomach or intestinal upset. Contains petroleum distillates which may be aspirated into the lungs during swallowing or vomiting resulting in lung inflammation and other lung injury. Inhalation of product mist may cause respiratory irritation: Symptoms include irritation to nose, throat and airways. Avoid contact with eyes, skin and clothing. Do not swallow. Avoid breathing product vapors and mists. Wash thoroughly after handling .
Conditions Aggravated by Use:	Use of this product may aggravate preexisting eye; skin and respiratory disorders such as asthma and dermatitis.

Emergency & First Aid Procedures :

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. If irritation persists; get medical attention.
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.
Ingestion:	Do not induce vomiting. Get medical attention immediately.
Inhalation:	Move person to fresh air. Get medical attention if irritation persists.

NOTE TO PHYSICIAN: This product contains petroleum distillates and may be an aspiration hazard.

SECTION VI: REACTIVITY DATA

Stability: Stable	Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: CO, CO ₂ , sulfur oxides if burned	Hazardous Polymerization: Will Not Occur

SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:	Prevent liquid from entering sewers, watercourses or low areas. Contain spilled liquid with sand, earth or other inert absorbent. Do not use combustible materials such as sawdust. In addition it is recommended that local authorities be contacted to determine if there are local reporting requirements.
Waste Disposal Method:	Consult an expert on disposal of recovered material and ensure conformity with Federal, State and Local regulations.

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Not normally required when adequate ventilation is provided. However, if exposure limits are exceeded (see Section II) or if respiratory irritation occurs, use of a NIOSH approved respirator appropriate for the conditions of use and chemicals in Section II should be considered.
Ventilation:	Local exhaust: Follow ACGIH industrial ventilation recommendations. Mechanical: (Recommended) - Provide ventilation suitable for type of building structure and work area.
Protective Gloves(Specify Type):	Rubber or other impervious gloves are recommended when handling undiluted product. Gloves are also recommended when working with the diluted product for individuals with sensitive skin.
Eye Protection(Specify Type):	Splash goggles are recommended to prevent eye contact.
Other Protective Equipment:	For further guidance see 29 CFR 1910.132-138.

SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing:	Store in a cool dry place away from strong oxidizers, extreme heat and open flames. Keep containers sealed and stored upright when not in use. Empty containers may contain explosive residues. Do not cut, weld or expose such containers to heat, flames or other sources of ignition.
Other Precautions:	Keep out of reach of children

© SCC 09/22/2008

Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

M.O.A.C.

Effective Date: 09/22/2008

Supercedes: 11/30/2005

Ref: 29 CFR 1910.1200 (OSHA)

Changes: Review

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.