

Safety Data Sheet

Synergy 466 Synthetic Machining & Grinding Fluid

SECTION 1: PRODUCT AND COMPANY INFORMATION

Manufacturer One Way Products, Inc., 433 East Ransom St., Kalamazoo, MI 49007 · (269) 343-3772

Trade Name(s) Synergy 466 Synthetic Machining & Grinding Fluid

Product ID OW 466

Recommended Uses Metalworking Fluid

24-Hour Emergency Phone Number: CHEMTREC (800) 424-9200

SECTION 2: HAZARD IDENTIFICATION

Physical Hazards Not Classified

Health Hazards Eye Damage / Irritation Category 2B - Causes eye irritation

Environmental Hazards Not Classified

Signal Word Warning

Pictograms Not Applicable

Precautionary Statements

Wash thoroughly after handling.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Monoethanolamine	141-43-5	1 – 10
Triethanolamine	102-71-6	5 – 20

SECTION 4: FIRST AID MEASURES

Skin Contact First aid not normally required. Remove contaminated clothing. Wash area of contact with soap and water. Wash clothing before reuse. Get medical attention if irritation persists.

Eye Contact Remove contact lenses. Flush with water until all traces of material are gone. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

Inhalation Remove affected person from source of exposure. Get medical attention if discomfort persists.

Ingestion Do not induce vomiting because of danger of aspiration into lungs. If spontaneous vomiting occurs, monitor for breathing difficulty. Get medical attention.

SECTION 5: FIREFIGHTING MEASURES

Basic Firefighting Procedures

Product does not burn. Use water spray, dry chemical, foam or CO₂ as applicable for burning materials. Use a water spray to cool fire-exposed containers, structures and to protect personnel. Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus with full-face mask and full protective equipment. Flush spills away from sources of ignition

Unusual Fire and Explosion Hazards

Not Applicable

Safety Data Sheet

Synergy 466 Synthetic Machining & Grinding Fluid

SECTION 6: ACCIDENTAL RELEASE MEASURES

Refer to Section 8: Exposure Control and Personal Protection

Emergency Action

Isolate release area and keep unnecessary people away. Exercise caution regarding personnel safety and exposure.

Spill/Leak Procedure

Floor and surfaces may be slippery. Dike with sand or other material. Flush area with water provided runoff does not enter drain or sewer; use absorbent material and dispose of properly.

Notification Report spills or releases to navigable waterways to the National Response Center (800-424-8802).

SECTION 7: HANDLING AND STORAGE

Refer to Section 8: Exposure Control and Personal Protection

Handling

Wear proper protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Do not ingest. For industrial use only. Use good hygiene practices when handling product, including changing and laundering work clothes after use. Get medical attention if you are exposed and feel unwell. The shipping and storage container is not designed to be pressurized. Do not use pressure to empty the container as it may rupture with explosive force. Containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. Empty containers may contain residue or vapors. Do not cut, grind, drill, weld or reuse containers.

Storage

Store product in closed containers in a well-ventilated area away from heat, sources of ignition and incompatibles. Do not store in unlabeled containers. Empty containers may contain residue or vapors.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Component

Triethanolamine

ACGIH

5 mg/m³ (TWA)

OSHA

Monoethanolamine

3 ppm (TWA), 6 ppm (STEL)

3 ppm (PEL)

Engineering Controls

Use appropriate ventilation to maintain airborne concentration limits below recommended exposure limits.

Eye and Face Protection

Wear safety glasses; use face shield if splashing is possible.

Skin Protection

Oil and chemical resistant gloves should be used to avoid prolonged or repeated contact.

Respiratory Protection

Not normally needed. A NIOSH or MSHA approved respirator should be used in areas with high vapor concentrations or oil misting.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Clear gold liquid	Flash Point	Not Applicable
Specific Gravity (Water=1)	1.06	Upper/Lower Flammability Limits (Vol. %)	Not Applicable
pH	9.7	Auto-ignition Temperature	Not Applicable
Solubility in Water	Soluble	Decomposition Temperature	Not Determined
Odor	Characteristic	Vapor Pressure	Not Determined
Odor Threshold	Not Determined	Vapor Density (Air=1)	>1
Melting/Freezing Point	Not determined	Partition Coefficient (n-octanol/water)	Not Determined
Boiling Range	Not Determined	Viscosity	Not Determined
Initial Boiling Point	Not Determined	Critical Temperature	Not Determined

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Those should be requested separately.

Safety Data Sheet

Synergy 466 Synthetic Machining & Grinding Fluid

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Does not react under normal conditions of use.
Chemical Stability	Stable under normal conditions of use.
Stability/Incompatibility	Avoid contact with strong oxidizers.
Conditions to Avoid	None known.
Hazardous Reactions/Decomposition Products	Does not decompose under normal conditions; may produce CO, CO ₂ , volatile hydrocarbons and other possibly toxic gases in a fire.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure	Inhalation, skin, eyes
Acute Effects	LD ₅₀ and LC ₅₀ not determined. Excessive contact, inhalation or ingestion may cause irritation or discomfort. Refer to Sections 2 and 4 for recommended actions.
Chronic Effects	Any acute symptoms may be aggravated. Refer to Sections 2 and 4 for recommended actions.
Symptoms	May include redness, drying, cracking of the skin, gastrointestinal and respiratory discomfort. Refer to Sections 2 and 4 for recommended actions.
Carcinogenicity	No components of this product are found to be carcinogens by NTP, IARC or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Not determined
Persistence and Biodegradability	Not determined
Bioaccumulative Potential	Not determined
Mobility in Soil	Not determined

SECTION 13: DISPOSAL CONSIDERATION

Dispose of this product in compliance with all applicable federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT	Not Regulated
UN Proper Shipping Name/Number	Not Regulated

SECTION 15: REGULATORY INFORMATION

Chemical Inventory Lists	All ingredients are listed on TSCA and DSL
SARA (311/312) Reportable Hazard Categories	None
SARA 313 Reportable Ingredients	None
HMIS Rating	1-0-0

SECTION 16: OTHER INFORMATION

Notice One Way Products believes that the information given herein is accurate. Final determination of suitability of any material is the sole responsibility of the user.

Prepared By One Way Products