1 - PRODUCT and COMPANY INFORMATION

Company Info: iCOAT Products, Inc. www.icoatproducts.com
Company Address: 1519 W. Grant St. Phoenix, AZ 85007, USA
Phone: (602) 258-1114
Fax: (602) 258-1119
CHEMTREC: For emergencies in the US Call CHEMTREC: (800) 424-9300
Canutec: In Canada, all CANUTEC: (613) 996-6666 (call collect)
MSDS Format: According to ANSI Z400.1-2004

Product Name: Honing Agent – Honing Oil
Product Group: Countertop – USDA registered for incidental food contact

HMIS Classification:

H	F	R	PP
0	1	0	X

2 - COMPOSITION INFORMATION

Chemical Name	Cas #	Ingredient Percent
Petroleum Hydrocarbons	Proprietary	90-100 %
Inert Ingredients	Proprietary	3-8 %

3 - HAZARDS IDENTIFICATION

Emergency Overview: Irritant
Physical Hazards: No known physical hazards.

Potential Health Effects
Target Organs: No target organs anticipated.
Eye Contact: No irritation is expected from short term exposure.
Skin Contact: No significant irritation is expected to occur upon short term exposure.
Inhalation: No significant adverse health effects are expected to occur upon short-term exposure.
Ingestion: No significant health effects anticipated. If liquid enters lungs, it can cause severe damage.
Chromic/Carcinogenicity Effects: No significant signs or symptoms indicative of any adverse health effects are expected to occur. This product does not contain any components at concentrations above 0.1% which are considered carcinogenic by OSHA, IARC, or NTP.
Aggravation of Pre-Existing Conditions: None generally recognized.

4 -FIRST AID MEASURES

Eye Contact: Check for and remove contact lenses. Flush eyes with cool, clean, low-pressure water while occasionally lifting and lowering eyelids. Seek medical attention if excessive tearing, redness, or pain persists.
Skin Contact: Remove contaminated shoes and clothing. Wipe off excess material. Wash exposed skin with soap and water. Seek medical attention if tissue appears damaged or if irritation persists. Thoroughly clean contaminated clothing before reuse. Discard contaminated leather goods. If material is injected under the skin, into muscle, or into the bloodstream, seek medication attention immediately.
Inhalation: Vaporization is not expected at ambient temperatures. This material is not expected to cause inhalation-related disorders under anticipated conditions of use. In case of overexposure, move the personal to fresh air.
Ingestion: If swallowed, DO NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Other First Aid: This material presents a signification aspiration hazard. Aspiration may produce chemical pneumonitis. Induction of emesis is not recommended because of the potential for aspiration. Treatment may involve careful gastric lavage if performed soon after ingestion or in patients who are comatose or at risk of convulsing. Protect airway by placement in Trendelenburg and left lateral decubitus position or by cuffed endotracheal intubation. Subcutaneous or intramuscular injection requires prompt surgical debridement.

5 - FIRE FIGHTING MEASURES

Flash Point: Open Cup: 197° C (388° F)
Lower Flammable / Explosive Limit: Not Applicable.
Upper Flammable / Explosive Limit: Not Applicable.
Autoignition Temperature: AP 400° C (AP 650° F)
Hazardous Combustion: Carbon dioxide, carbon monoxide, smoke, fumes and unburned hydrocarbons.
Extinguishing Media: Use dry chemical, foam, C02, or water spray.
Fire & Explosion Hazards: Slightly combustible! OSHA/NFPA Class-IIIB combustible liquid. When heated above its flash point, this material will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to an ignition source. Mists or sprays may be flammable at temperatures below the normal flash point. Keep away from extreme heat and open flame.
Special Properties: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect from the hazardous effects of combustion products and oxygen deficiencies. If fire fighters can't work upwind to the fire, respiratory protective equipment must be worn. Cool tanks and containers exposed to fire with water. Burning liquid will float on water. Notify appropriate authorities if liquid enters sewer / waterways.
Protective Equipment: As in any fire, wear Self –Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Ratings:
NFPA Health: 0
NFPA Flammability: 1
NFPA Reactivity: 0

6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions: Use proper personal protective equipment as listed in Section 8.
Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways. Contain any fluid that runs out using suitable material (e.g. earth)
Spill Cleanup Measures: Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Clean up spills immediately observing precautions in the protective equipment section.

7 - HANDLING AND STORAGE

Handling: Keep containers closed. Store and handle so as to prevent contamination from any source, especially when this material will be used in applications covered by food and drug administration regulations 21 CFR 178.3620 (B) (2).
Storage: Keep container closed. Do not store with strong oxidizing agents. Do not store at temperatures above 120 F or in direct sunlight for extended periods of time. Consult appropriate federal, state, and local authorities before reusing, reconditioning, reclaiming, recycling, or disposing of empty containers or waste residues of this product.
General Comments: This material is a "Petroleum Distillate", as defined by 16 CFR 1500.14 (B) (3) and 1500.83 (A) (13), which requires special labeling pursuant to the Federal Hazardous Substances Act and related Statutes and regulations, if it is distributed in a manner intended, or packaged in a form suitable for use in the household or by children.
This product is manufactured to meet Food and Drug Administration requirements for "Technical Liquid Petroleum" as defined by 21 CFR 178.3620 (B) (1). It is suitable for use as a component if non-food articles intended for use in contact with food, or as a lubricant added to food directly as a result of incidental contact

with containers or equipment subject to all the provisions listed under 21 CFR 178.3620. This product contains about 10 PPM DL-Alpha-Tocopheol (vitamin E) as a stabilizer.
Some of the information presented and conclusions drawn herein are from sources other than direct test data on the mixture itself.

8 - EXPOSURE CONTROLS / PERSONAL PROTECTION – EXPOSURE GUIDELINES

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits (see below). An eye wash station and safety shower should be located near the workstation.

Eye/Face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166

Skin Protection: Use gloves constructed of chemical resistant materials such as neoprene IF frequent or prolonged contact is expected. Use heat-protective gloves when handling at elevated temperatures.

Respiratory Protection: Vaporization is not expected at ambient temperatures. Therefore, the need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134).

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash facility

Comments: Use good personal hygiene practices. Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, use of toilet facilities, or leaving work. DO NOT use gasoline, kerosene, solvents, or harsh abrasives as skin cleaners. Since specific exposure standards/control limits have not been established for this product, the "Oil Mist, Mineral" exposure limits shown below are suggested as minimum control guidelines.

Occupational Exposure Guidelines: Oil Mist, Mineral:

Guideline ACGIH:	TLV: 5 mg/m3	8 hrs
Guideline ACGIH:	STEL: 10 mg/m3	15 min
Guideline OSHA:	OSHA-PEL: 5 mg/m3	8 hrs

9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance: Liquid
Color: Colorless
Odor: Odorless
Boiling Point: 450 ° to 700° F
Melting Point: No Data
Specific Gravity: 0.86 ((water=1)
Density: 7.10 Lbs. /Gal.
Vapor Density: Greater than 1 (Air = 1)
Vapor Pressure: <0.1 mm of Hg (@ 70° F)
Viscosity: AP 72 (SUSS @ 100° F)
pH: 7
Solubility in Water: Negligible
Volatile Characteristics: Negligible
Flash Point: No Data

10 - STABILITY and REACTIVITY

Chemical Stability: Stable.
Hazardous Polymerization: Not expected to occur.

Conditions to Avoid: Heat, flames, sparks, and strongly oxidizing conditions.
Incompatible Materials: Strong acids and oxidizers such as liquid chlorine and oxygen.
Special Decomposition Products: Burning or excessive heating may produce carbon monoxide and other harmful substances.

11 - TOXICOLOGICAL INFORMATION

Toxicity Data: Honing Oil

Oral (LD50): Acute: > 5000 mg/kg (Rat)
Dermal (LD50): Acute: > 2000 mg/kg (Rabbit)

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Dermal (LD50): Acute: > 2000 mg/kg (Rabbit)
Draize Eye: Acute: Non-irritating (Rabbit)
Draize Dermal: Acute: Non-irritating (Rabbit)
Buehler: Acute: Non-sensitizing (Guinea Pig)
28-day Dermal: Sub-chronic: Non-irritating (Rabbit)
104-week Dermal: Chronic: No skin tumors at site of application (Mouse)
Mutagenicity: Modified Ames Assay: Negative (Salmonella typhimurium)
In-vitro Lymphoma Assay: Negative or no toxicity (Mouse)

Lifetime mouse skin painting studies indicated that this liquid petroleum is not mutagenic or carcinogenic. Liquid Petroleum mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of liquid petroleum mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation, and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of liquid petroleum mists at or near current workplace exposure levels produced no significant toxicological effects. In long-term studies (up to two years) no carcinogenic effects have been reported in any species tested.

12 - ECOLOGICAL INFORMATION

Ectoxicity: No Ectoxicity data was conducted for the product. However, if spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life. The coating action associated with this product can be harmful or fatal to aquatic life and waterfowl.

Environmental Fate: No environmental information conducted for this product. Plants and animals may experience harmful or fatal effects when coated with petroleum-based products. Petroleum-based (mineral) lube oils will normally fl oat on water. In stagnant or slow-fl owing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway might be enough to cause a fish kill or create an anaerobic environment.

13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Hazard characteristic and regulatory waste stream classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

Conditions of use may cause this material to become a “hazardous waste”, as defined by federal or state regulations. It is the responsibility of the user to determine if the material is an RCRA “hazardous waste” at the time of disposal. Transportation, treatment, storage, and disposal of waste material must be conducted in accordance with RCRA regulations (see 40 CFR 260 through 40 CFR 271). State and/or local regulations may be more restrictive. Contact the RCRA/Superfund Hotline at (800) 424-9346 or your regional US EPA office for guidance concerning case specific disposal issues.

14 - TRANSPORTATION INFORMATION

General Information: Not regulated for transport by US DOT or Canada TDG. Not regulated by sea transport by IMDG. Not regulated by air transport by ICAO-TI or IATA-DGR

Dot UN Number: No Data

DOT Hazard Class: No Data

Packing Group(s): Not Applicable

15 - REGULATORY INFORMATION

TSCA Inventory: This product and/or its components are listed on the Toxic Substance Control Act (TSCA) inventory.

SARA 302/304: The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CF355. ***No components were identified.***

SARA 311/312: The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemical by "Hazard Category" as defined in 40 CFR 370.2. This material would be classified under the following hazard categories: ***No SARA 311/312 hazard categories identified.***

This product is suitable for use as an "H1" lubricant in USDA food processing plants. It does not contain any chemicals which are reportable.

SARA 313: This product contains the following components in concentrations above deminimis levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA: ***No components were identified.***

CERCLA: The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQs) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. This product or refinery stream is not known to contain chemical substances subject to this statute. However, it is recommended that you contact state and local authorities to determine if there are any other reporting requirements in the event of a spill.

CWA: This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United Stated, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

California Proposition 65: This product is not known to contain any components for which the State of California has found to cause cancer, birth defects, or other reproductive harm.

New Jersey Right-to-Know Label: Petroleum Oil

Remarks: Federal Hazardous Substances Act, related statutes, and Consumer Product Safety Commission regulations, as defined by 16 CFR 1500.14(b)(3) and 1500.83(a)(13): This product contains "Petroleum Distillates" which may require special labeling if distributed in a manner intended or packaged in a form suitable for use in the household or by children. Precautionary label dialogue should display the following: **DANGER: Contains Petroleum Distillates! Harmful or fatal if swallowed! Call Physician Immediately. KEEP OUT OF REACH OF CHILDREN!**

16 - ADDITIONAL INFORMATION

HMIS Health Hazard:	0
HMIS Fire Hazard:	1
HMIS Reactivity:	0
HMIS Other:	x
MSDS Creation Date:	October 18, 2010
MSDS Revision Date:	October 18, 2010
MSDS Revision Notes:	Quarterly Formula Update
MSDS Author:	iCOAT Products, Inc.

Disclaimer:

This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this sheet.

Trademark: