SAFETY DATA SHEET

Corbin Diamond Edge Sharpening Fluid

Prepared April 6, 2018

SECTION 1. Identification

1.1 Product Name: Corbin Diamond Edge Sharpening Fluid
Cat No. : DE-16 (pint container)

1.2 Recommended Use: Dressing for honing and sharpening stones.

1.3 Uses advised against: Not for food, drug, pesticide or biocidal product use

1.4 Details of the supplier of the safety data sheet:
Corbin Manufacturing & Supply, Inc.
PO Box 2659, White City, OR 97503 USA
Emergency Telephone Number: 541-826-5211

SECTION 2. Hazard(s) identification

2.1 Classification: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910, 1200)
Not classified as Hazardous

2.2 Classification of the substance or mixture:
Flammable Liquies - Category 3
Skin Irritation - Category 2
Eye Irritation - Category 2A
Specific Target Organ Toxicity (single exposure) (Narcotic effects) - Category 3
Specific Target Organ Toxicity (repeated exposure) (Central Nervous System (CNS)) - Category 2

2.2 GHS Label Elements

Signal Word: Danger

Hazard statements:

Flammable liquid and vapor
Causes serious eye irritation
Causes skin irritation
May be fatal if swallowed and enters airways
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure (central nervous system (CNS))
Toxic to aquatic life with long lasting effects.

Precautionary Statements:

General: Read label before use. Keep out of reach of children. If medical advice is needed, hae product container or label at hand. If swallowed, introduced into the eyes, on the skin or inhaled call a poison center or doctor/physician.

Hazardous Material Informatoin System (USA)

Health: 2 Flammability: 2 Physical hazards: 0

National Fire Protection Association (USA)

Health: 2 Flammability: 2 Instability : 0

SECTION 3. Composition/Informatoin on Ingredients

3.1 Substance/Mixture: Mixture

3.2 Chemical name: Petroleum Distilates

3.3 Other means of identification: Not available

3.4

Ingredient name	%	CAS Number	
Stoddard solvent	60-90	8052-41-3	*
Cobalt	0-94	7440-48-4	*
Copper (metallic)	0-82	7440-50-8	*
Nickel	0-29	7440-02-0	*
Tin	0-20	7440-31-5	*
Diamond	0-20	7782-40-3	*
Aluminum Oxide	0-18	1344-28-1	*
Silver	0-11	7440-22-4	*
Silicon carbide	0-7	409-21-2	*
Phosphorus	0-4	7723-14-0	*
Cadmium/Cd comp.	< 1	7440-43-9	*

** The exact composition (percentage of volume) has been withheld as a trade secret.*

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Note: see Section 8 for exposure limit data for these ingredients. .

SECTION 4. First aid measures

4.1 Description of first aid measures:

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact:

Wash off immediately with plenty of water and soap for at least 15 minutes. If the material penetrates through clothing, remove clothing and wash skin promptly. Obtain medical attention if symptoms persist.

Inhalation:

Move to fresh air. Obtain medical attention. If not breathing, give artificial respiration.

Ingestion :

Do not induce vomiting. Obtain medical attention.

4.2 Most important symptoms and effects

Potential acute health effects

Eye contact: No known significant effects or critical hazards

Inhalation: No known significant effects or critical hazards

Skin contact: No known significant effects or critical hazards

Ingestion: May be fatal if swallowed and enters airways

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following: pain or irritation, watering, redness

Inhalation: Adverse symptoms may include the following: respiratory tract irritation, coughing

Skin contact: Adverse symptoms may include the following: irritation, redness

Ingestion: No known significant effects or critical hazards

4.3 Indication of any immediate medical attention and special treatment needed

Note to Physician:

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

SECTION 5. Fire-fighting measures

5.1 Extinguishing media

Appropriate Extinguishing Media:

Use dry chemical, CO2, water spray (fog), or foam.

Unsuitable extinguishing media:

Do not use water jet or water-based fire extinguishers.

5.2 Special hazards arising from the substance or mixture

Hazardous Products of Combustion: Carbon dioxide, carbon monoxide

5.3 Advice for firefighters

Water may be ineffective on flames but should be used to keep fire-exposed containers cool. Water of foam sprayed into container of hot burning product could cause frothing and endanger fire fighters. Large fires, such as tank fires, should be fought with caution. If possible, pump the contents from the tank and keep adjoining structures cool with water. Avoid spreading burning liquid with water used for cooling purposes. Do not flush down public sewers.

Avoid inhalation of vapors. Firefighters should wear self-contained breathing apparatus.

5.4 Special protective equipment for fire fighters

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuation Procedures:

Isolate the hazard area and denty entry to unnecessary and unprotected personnel.

Special Instructions:

See Section 8 for personal protective equipment recommendations. Remove all contaminated clothing to prevent further adsorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

6.2 Environmental precautions

Prevent releases to soils, drains, sewers and waterways.

6.3 Methods and material for containment and cleaning up

Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Remove all ignition sources. Ventilate the area of spill or leak. Wear protective equipment during clean-up. For small spills, use suitable adsorbent material and collect for later disposal. For large spills, the area may require diking to contain the spill. Material can then be collected (eg., suction) for later disposal. After collection of material, flush area with water. Dispose of the material in accordance with standard practice for disposal of potentialliy hazardous materials as required by applicable federal, state or local laws.

6.4 Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product, adsorbent and clean up material disposal instructions.

SECTION 7. Handling and Storage

7.1 Precautions for safe handling

Practices to minimize risk:

Wear appropriate protective equipment when performing maintenance on contaminated equipment. Wash hands thoroughly before eating or smoking after handling this material. Do not eat, drink or smoke in work areas. Prevent contact with incompatible materials. Avoid spills and keep away from drains. Handle in a manner to prevent generation of aerosols, vapors or dust clouds. Wear appropriate respirator when ventilation is inadequate.

7.2 Conditions for safe storage including any incompatibilities.

Storage Precautions and Recommendations:

Do not store above the following temperature: 113^{o}C (235.4^{o}F). This product should be stored in a dry, well-ventilated location. Protect containers against physical damage. Keep away from heat, sparks, and flame. Should be periodically inspected.

Dangerous Incompatibility Reactions:

Incompatible with oxidizing materials

7.3 Specific end use(s)

If a chemical safety assessment has been completed an exposure scenario is attached as an annex to this Safety Data Sheet. Refer to this annex for the specific exposure scenario control parameters for uses identified in subsection 1.2.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Ingredient name	Exposure limits
Stoddard solvent	ACGIH TLV (United States, 3/2012) TWA: 525 mg/m^3 8 hours OSHA PEL (United States, 6/2010) TWA: 2900 mg/m^3 8 hours TWA: 500 ppm 8 hours

8.2 Appropriate engineering controls

Use only with adequate ventilation.

8.3 Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

8.4 Individual protective measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, having sexual relations, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Recommended: Splash goggles and a face shield, where splash hazard exists.

Skin protection

Hand protectiion: 4-8 hours (breakthrough time); Nitril gloves

Body protection: Recommended: Long sleeved coveralls.

Other skin protection: Recommended: Impervious boots.

Respiration protection

If ventilation is inadequate, use a NIOSH-certified respirator with an organic vapor cartridge and P95 particulate filter.

SECTION 9. Physical and chemical properties

9. 1 Information on basic physical and chemical properties

Appearance: Liquid — Color: Clear

Odor: Mild hydrocarbon — Odor threshold: Not available

pH: Not available — Melting point: Not available

Boiling point: 157.22 to 196.11°C (315 to 385°F)

Flash point: Closed cup: >37.77°C (> 100°F) (Pensky-Martens)

Lower explosive limit: 0.7% — Upper explosive limit: 0.6%

Relative density: 0.8 — Evaporation rate: >1 (Butyl acetate = 1)

Solubility: Insoluable in cold or hot water.

Solubility in water: Insoluble — SADT: Not available

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Vapor pressure: 0.27 to 0.4 kPa (2 to 3 mm Hg) (68°F)

Vapor density: >1 (Air = 1) — Flammability: Not available

SECTION 10. Stability and Reactivity

10.1 Reactivity Not classified as dangerously reactive

10.2 Chemical stability Stable

10.3 Possibility of hazardous reactions: Not expected to occur.

10.4 Conditions to avoid: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

10.5 Incompatible materials: Incompatible with oxidizing materials.

10.6 Hazardous decomposition products:
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. Toxicological Information

11.1 Acute Toxicity

There is no data available

11.2 Irritation/Corrosion

Product/ingredient name	Species	Result	Exposure
Stoddard solvent	Rabbit	Eyes: moderate irritant	24 hours 500mg
	Human	Eyes: mild irritant	100ppm

11.3 Sensitiation

Skin: No data available

Respiratory: No data available

11.4 Mutagenicity No data available

11.5 Carcinogenicity No data availablre

11.6 Reproductive toxicity: No data available

11.7 Teratogenicity No data available

` **11.8 Specific target organ toxicity (single exposure):** No data available

11.9 Specific target organ toxicity (repeated exposure): No data available

11.10 Aspiration Hazard

Name: Stoddard solvent Result: Aspiration Hazard - Category 1

11.11 Information on the likely routes of exposure

Dermal contact, Eye contact, Inhalation, Ingestion

SECTION 12. Ecological Information

12.1 Toxicity No data available.

12.2 Persistence and degradability No data available.

12.3 Bioaccumulative potential

Ingredient name: Stoddard solvent

$LogP_{ow}$: 3.16 to 7.06

BCF: ` -

Potential: high

12.4 Mobility in soil No data available.

12.5 Soil/water partition coefficient (K_{oc}): No data available

12.6 Other adverse effects: No known significant effects or critical hazards

SECTION 13: Disposal considerations

13.1 Disposal methods: Disposal of this product, solutions and any by products should comply with the requiremens of environmental protection and waste disposal legislation and any regional local authority requirement

SECTION 14: Transport information

14.1 DOT Identification Number: UN1268
14.2 DOT proper shipping name: Petroleum Distillates, N.O.S. (Stoddard solvent)
14.3 DOT Hazard Class(es): 3
14.4 PG: **III**
14.5 DOT Emerg. Response Guiode No. 128

SECTION 15: Regulatory information

15.1 U.S. Federal regulations:

TSCA 8(a) CDR Exempt/Partial exemption: All components are listed or exempted.
United States Inventory (TSCA 8(b)): All components are listed or exempted.
Clean Air Act Sect. 602 Class I Substances: Not listed
Clean Air Act Sect. 602 Class II Substances: Not listed
Clean Air Act Sect. 112(b) Hazardous Air Pollutants (HAPs): Not listed
DEA List I Chemicals (Precursor Chemicals): Not listed
DEA List II Chemicals (Essential Chemicals): Not listed
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

15.2 SARA 302/304:

Composition/Information on ingredients: No products were found
SARA 304 RQ: Not applicable

15.3 SARA 311/312:

Classification: Fire Hazard
Composition/Information on ingredients: No products were found

15.4 SARA 313:

This product soes not contain toxic chemicals subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.
SARA 313 notifications must not be detatched from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

15.5 HMIS (USA):

Health Hazard: 2 Fire Hazard: 2 Reactivity: 0
Personal Protection: h

15.6 National Fire Protection Association (USA):

Health Hazard: 2 Flammability: 2 Reactivity: 0
Specific Hazard: n/a

15.7 Protective Equipment:

Gloves. Lab Coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

SECTION 16: Other Information

16.1 References:

Not available

16.2 Other Special Considerations:

Not available

16.3 Created:

01/05/2016 12:00pm

16.4 Last Updated:

04/06/2018 3:30pm

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