



Flammability Rating 0
 Health Rating 1
 Reactivity 0
 Hazard Rating 0

MSDS NO. SK-515-110

CATEGORY KITS - 515-110

PRODUCT NAME ON KIT LABEL

SK-515-110 COMBINATION COMPOUND KIT

DATE 01-Jan-2018

SECTION I

MANUFACTURERS NAME:

FORMAX MFG CORP., 168 WEALTHY ST. S.W., GRAND RAPIDS, MI 49503

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CHEMICAL FAMILY:

ORGANIC/INORGANIC - MIXTURE

FORMULA:

PROPRIETARY

SECTION II - COMPOSITION

Kit SK-515-110 contains six (6) different grades of buffing compounds intended for a wide range of buffing and polishing operations.

A WORD ABOUT BUFFING AND USES.

Buffing compounds refers to the abrasive being formulated within a grease matrix termed binders. The abrasives serve to buff/shine the work surface and the binders serve to adhere the abrasive to the buffing wheel during its rotation over the work surface.

The type of abrasive and binder percentage can be, and are, varied to suit the individual requirements needed to buff and shine different classes of metals and plastics.

"Cutting Down" is the preliminary step performed with a coarse cutting abrasive buffing compound. In many cases the "cutting down" operation may be all that is necessary to secure a bright enough satisfactory appearance.

"Coloring" is light duty buffing to bring up a luster on work surfaces that do not require an initial "cutting down" operation. "Coloring" compounds are formulated using finer mesh size abrasives that those used in "cutting" compounds.

"Coloring" compounds are also used when a secondary re-buffing operation is desirable to enhance and brighten the appearance left from a "cutting down" operation.

BUFFING WHEELS - Buffing wheels serve two main functions. (1) To carry the abrasive particles across the work surface to perform a cutting and/or coloring action. (2) Where required, to generate sufficient frictional heat to permit leveling and lustering the work surface. It is to perform these two principal functions that buffing wheels are produced in a range of sizes, sewing and buffing fabrics and constructions. The nature and shape of the work piece and the ultimate finish desired dictates the buff best suited for a specific application.

| <u>CHEMICAL NAME</u> | <u>COMPOUND INGREDIENTS COMMON NAME</u> | <u>CAS NO.</u> |
|------------------------|---|----------------|
| <u>BINDERS:</u> | | |
| Glyceride | Fatty Acids | 68953-18-4 |
| Petroleum and Oils | Mineral Greases | 64748-52-5 |
| Stearic Acid | Stearic Acid | 57-11-4 |

ABRASIVES:

| | | |
|-------------------|------------------------|------------|
| Alpha Alumina | Alumina - A/O Calcined | 1344-28-1 |
| Silicon Dioxide | Tripoli Abrasive | 131795-9 |
| Aluminum Silicate | Kaolin | 64402-68-4 |

SECTION III - PHYSICAL & CHEMICAL DATA

Boiling Point - over 400 F Melting Point - 120 / 140 F Solubility in Water - Negligible
 Evaporation Rate - None Solubility in Alcohol - Partially
 Appearance and Odor - Cake form, tallow odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point - over 400 F Method Used - C.O.C.
 Extinguishing Media - C.O.2, Dry Chemical or Foam
 Special Fire Fighting Procedures - Treat buffing dust, dirt and debris as an oil fire.
 Explosion Potential - None

SECTION V - REACTIVITY DATA

Stability: Unstable ☐ Conditions: Indefinite shelf life. Store in cool space to prevent excessive softening.
 Stable ☒

Hazard Decomposition Products: On combustion hydrocarbons may form to produce smoke, carbon monoxide or carbon dioxide.

Hazard Polymerization May occur ☐ Conditions to Avoid: Using under condition of insufficient dust collecting system.
 Will not occur ☒

SECTION VI - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Sweep into containers, storage of buffing wheel and compound debris may contain combustible lint.

Waste disposal method: Incinerate or dispose in accordance with Federal, State and Local regulations.

| | |
|--|--------------|
| CERCLA (Superfund) reportable quantity (in lbs.) | Not Required |
| RCRA Hazardous Waste No. (40 CFR 261.33) | N/A |
| Volatile Organic Compound (VOC) (as packaged, minus water) | N/A |

SECTION VII - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): OSHA 24 CFR/134 NIOSH/MSHA approved
 Respirators for particulates from buffing debris.

Ventilation: Local Exhaust General Room Ventilation
 Mechanical (General Recommend Venting to Dust Collectors)

Protective Gloves: As desired by user.

Eye Protection: OSHA 29 CFR 1910.122 Safety Glasses or Face Shields

Other Protective Equipment: Protective work clothing, body apron or belly pads, safety shoes, as needed

Hearing Protection: OSHA 29 CFR 1910.215 (Hearing Protection)

SECTION VIII - HEALTH, FIRST AID AND MEDICAL DATA

| Primary Route(s) of Entry | Acute & Chronic Health Effects and Effects of Overexposure | First Aid & Medical Information |
|---|---|--|
| Inhalation (During Use) | Acute - May cause coughing, shortness of breath Chronic - May affect breathing capacity (dust) | Remove to fresh air supply, artificial respiration as needed, obtain first aid or medical assistance |
| Ingestion | No known adverse effects, but ingestion not recommended. | Obtain first aid or medical assistance, if needed |
| Skin Contact & Absorption | Irritation of the skin may occur due to mechanical/chemical action | Obtain first aid or medical assistance, if needed |
| Eye | Dust may irritate eyes | Wash with large amounts of water, obtain first aid or medical assistance, if needed |
| Other potential health risks (Prolonged inhalation of dust particles may result in disabling pulmonary fibrosis.) Symptoms might include deposits of materials in eyes, ears, nasal passages irritation of mucus membranes. | | |
| WARNING: Do not breathe dust of compounds containing abrasive materials without following OSHA Safety and Health Standards for dust accumulation collection. | | |

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Handle with adequate ventilation for nuisance dust when using. See OSHA 29 CFR 1910.24 (Ventilation) and 29 CFR 1910.1000 (Air Contaminants).

Other Precautions: Follow instructions usage sheets on buffing wheels and compounds as may be supplied or available, from the manufacturer.

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