

DATE OF PREPARATION 09/17/13

# Material Safety Data Sheet

**PRODUCT NAME:** Dry Erase Cleaner - Concentrate

**PRODUCT CLASS:** Soy Based Cleaner

360 Coatings

Bakersfield, CA 93314

TELEPHONE # (800) 936-2159

CHEM TREC # 800-424-9300

## 1. COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL/COMMON NAME	CAS #	RANGE IN %
Fatty Acids, C 16-18 Unsatd., Methyl Esters	67762-38-3	<50%
Proprietary Ingredients	Trade Secret	>50%

Specific Chemical Ingredients Held as Trade Secret

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

## 2. PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT:</b>	242°C (467.6°F)
<b>FLASH POINT:</b>	Closed cup: 135°C (275°F)
<b>VAPOR PRESSURE:</b>	0.0031 kPa (0.023 mm Hg)
<b>VAPOR DENSITY:</b>	3.5 [Air = 1]
<b>Auto-ignition temperature:</b>	430°C (806°F)
<b>APPEARANCE:</b>	COLORLESS
<b>ODOR:</b>	FAINT ODOR
<b>VOC content:</b>	VOC Exempt

## 3. FIRE AND EXPLOSION HAZARD DATA

<b>Flash point :</b>	Closed cup: 135°C (275°F)
<b>Products of Combustion:</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide
<b>Extinguishing Media:</b>	Suitable: Use an extinguishing agent suitable for the surrounding fire. Not Suitable: None Known
<b>Fire and Explosion Hazards:</b>	In a fire or if heated, a pressure increase will occur and the container may burst. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Fire-Fighting Equipment:</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode..

**4. REACTIVITY DATA**

**STABILITY (CONDITIONS TO AVOID):** This product is stable

**INCOMPATIBILITY (SPECIFIC MATERIALS TO AVOID):** Carbon monoxide, carbon dioxide, aldehydes, ketones, acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition products may include the following materials: Carbon dioxide, carbon monoxide

**HAZARDOUS POLYMERIZATION:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**5. ENVIRONMENTAL AND DISPOSAL INFORMATION**

**PERSONAL PRECAUTIONS:**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment

**ENVIRONMENTAL PRECAUTIONS:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**METHODS FOR CLEANING:**

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

**DISPOSAL METHODS:**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any byproducts should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**6. HEALTH HAZARD DATA**

**OSHA/HCS STATUS:**

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While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

**EMERGENCY OVERVIEW:**

**CAUTION!**

**MAY CAUSE EYE IRRITATION. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. CONTAMINATION BY MOISTURE WILL RESULT IN A PRESSURE BUILD-UP IN SEALED CONTAINERS.** Slightly irritating to the eyes. Avoid breathing vapor or mist. Avoid contact with eyes. Wash thoroughly after handling. Aspiration hazard if swallowed. Can enter lungs and cause damage.

**7. FIRST AID**

**EYE:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**SKIN CONTACT:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**INHALATION:** Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**INGESTION:** Wash out mouth with water. Move exposed person to fresh air. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

**NOTES TO PHYSICIAN:** No specific treatment. Treat symptomatically. Call medical doctor or poison control center immediately if large quantities have been ingested.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Consult local authorities for acceptable exposure limits.

**PREVENTATIVE MEASURES:** Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

**ENGINEERING CONTROLS:** Use local exhaust ventilation to maintain airborne concentrations below the TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it. For guidance on engineering control measures refer to publications such as the ACGIH current edition of 'Industrial Ventilation, a manual of Recommended Practice.'

**PERSONAL PROTECTION:**

**EYES:** Safety eyewear complying with an approved standard should be used when a risk assessment

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indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**SKIN:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**RESPIRATORY:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**HANDS:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**9. HANDLING AND STORAGE PRECAUTIONS**

**HANDLING:** Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**STORAGE:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**10. TOXICOLOGICAL INFORMATION**

**Toxicity data**

**Acute toxicity:**

Product/ingredient name	Test	Species	Result	Exposure
Proprietary	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

**Chronic toxicity:**

Product/ingredient name	Test	Species	Result	Exposure
Proprietary	Sub-chronic Oral	Rat - Male, Female	>5000 mg/kg	90 days

**Potential acute health effects:**

**Ingestion:** Practically non-toxic if swallowed  
**Inhalation:** No known significant effect or critical hazards.  
**Eyes:** Slightly irritating to the eyes  
**Skin:** Practically non-toxic in contact with skin

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**Potential chronic health effects:**

**Target organs:** None known  
**Carcinogenicity:** No known significant effects or critical hazards  
**Mutagenicity:** No known significant effects or critical hazards  
**Teratogenicity:** No known significant effects or critical hazards  
**Fertility effects:** No known significant effects or critical hazards  
**Developmental effects:** No known significant effects or critical hazards

<b>11. ECOLOGICAL INFORMATION</b>
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**Aquatic exotoxicity:**

Product/Ingredient Name	Test	Result	Species	Exposure
Proprietary	DIN DIN 38412 Part 8	Acute EC50 25619 mg/L	Bacteria	16 hours
	OECD 202 <i>Daphnia</i> sp.	Acute EC50 >1000 mg/L	Daphnia	48 hours Static
	Acute Immobilization Test and Reproduction Test	Fresh water		
	OECD 201 Alga, Growth Inhibition Test	Acute EC50 >929 mg/L Fresh water	Algae	72 hours Static
	EU EC C.1 Acute Toxicity for Fish	Acute LC50 >1000 mg/L Fresh water	Fish	96 hours Semistatic

**Biodegradability:**

Product/ingredient name	Test	Result	Dose	Inoculum
Proprietary	OECD 301B Ready Biodegradability - CO2 Evolution Test	83.5 to 87.7 % - Readily - 29 days	20 mg/L Carbon dioxide production	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Proprietary	-	-	Readily

**Bioaccumulative potential:**

Product/ingredient name	LogPow	BCF	Potential
Proprietary	-0.41	-	Low

**Environmental effects:** Readily biodegradable

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**12. TRANSPORTATION**

**DOT, TDG, IMDG, IATA-DGR:** Not regulated.  
**PROPER SHIPPING NAME:** Not regulated.

The transport regulations may change in the different countries. Check for the appropriate regulations in the country of transport or usage of this product

**13. ADDITIONAL INFORMATION**

**UNITED STATES:**

**HCS CLASSIFICATION:** Not regulated

**U.S. FEDERAL REGULATIONS:** United States inventory (TSCA 8b): All components are listed or exempted.

**CERCLA: HAZARDOUS SUBSTANCES:** No ingredients listed

**SARA 313:** No ingredients listed

This product does not contain nor is it manufactured with ozone depleting substances.

**CALIFORNIA PROP 65:** No ingredients listed

**CANANDA:**

**WHMIS (CANADA):** Class D-2B: Material causing other toxic effects (Toxic).

**CEPA (DSL):** All components are listed or exempted

**LABEL REQUIREMENTS:** MAY CAUSE EYE IRRITATION. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. CONTAMINATION BY MOISTURE WILL RESULT IN A PRESSURE BUILD-UP IN SEALED CONTAINERS.

**Hazardous Material Information System (U.S.A.):** HEALTH 1  
FIRE HAZARD 1  
REACTIVITY 0

**National Fire Protection Association (U.S.A.):** HEALTH 1  
FLAMMABILITY 1  
INSTABILITY 0

**THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT FOR PURPOSE OF HAZARD COMMUNICATION AS PART OF 360 COATINGS PRODUCT SAFETY PROGRAM. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN. DATA SHEETS ARE AVAILABLE FOR ALL 360 COATINGS PRODUCTS. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL 360 COATINGS PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE AND YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.**

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**TO DETERMINE APPLICABILITY OR EFFECTS OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, USER SHOULD CONSULT HIS LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. 360 COATINGS DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.**