MATERIAL SAFETY DATA SHEET

RED DYE

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RED DYE
PRODUCT CODE: DY300
CHEMICAL FAMILY NAME: Dry Blend
U.N. NUMBER: None
U.N. DANGEROUS GOODS CLASS: Non-Regulated Material
SUPPLIER/MANUFACTURER’S NAME: PAVCO INC
ADDRESS: 1935 John Crosland Jr. Dr, Charlotte, NC 28208 USA
EMERGENCY PHONE: TOLL-FREE in USA/Canada 1-800-424-9300 Chemtrec
BUSINESS PHONE: 1-704-496-6800 (Product Information)
BUSINESS FAX: 1-704-496-6810
WEB SITE: www.pavco.com
DATE OF PREPARATION: June 5, 2013
DATE OF LAST REVISION: October 11, 2007

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
Product Description: This product is a dark red powder with no odor.
Health Hazards: Prolonged or repeated exposure to this product may cause skin irritation. Contact with eyes may cause irritation. Inhalation of dust may cause irritation. Ingestion may cause nausea, diarrhea, and gastrointestinal discomfort.
Flammability Hazards: This product is a Non-Flammable solid
Reactivity Hazards: None known.
Environmental Hazards: No data available on this product and its effects on aquatic life.
Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

EU LABELING AND CLASSIFICATION:
Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex 1
EC# 231-820-9 This substance is not classified in the Annex I of Directive 67/548/EEC
Substances not listed either individually or in group entries must be self classified.
GHS Hazard Classification(s):
Eye Irritant Category 2
STOT SE Category 3
Skin Irritant Category 3
Hazard Statement(s):
H313: Causes mild skin irritation
H320: Causes eye irritation
H333: May be harmful if inhaled

Precautionary Statement(s):
P260: Do not breath dust/fume/gas/mist/vapors/spray
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection

EU HAZARD CLASSIFICATION PER DIRECTIVE 1999/45/EC:
[Xi] Irritant
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Risk Phrases:
R36/37/38: Irritating to eyes, respiratory system and skin

Safety Phrases:
S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

HEALTH HAZARDS OR RISKS FROM EXPOSURE:
ACUTE:
EYE CONTACT: Contact may cause eye irritation.
SKIN CONTACT: Contact may cause irritation in sensitive individuals.
INHALATION HAZARDS: Inhalation of dust may cause respiratory tract irritation.
INGESTION HAZARDS: May cause gastrointestinal irritation

CHRONIC: None known

TARGET ORGANS:
ACUTE: Eye, respiratory System, Skin
CHRONIC: None known

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>CAS #</th>
<th>EINECS #</th>
<th>ICSC #</th>
<th>WT %</th>
<th>HAZARD CLASSIFICATION; RISK PHRASES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non Hazardous Dry Blend containing Sodium Sulphate</td>
<td>7757-82-6</td>
<td>231-820-9</td>
<td>Not Listed</td>
<td>10 – 20%</td>
<td>HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36/37/38</td>
</tr>
<tr>
<td>Balance of other ingredients are non-hazardous or hazardous in less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).</td>
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<td></td>
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</tr>
</tbody>
</table>

NOTE: ALL WHMS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

SECTION 4 - FIRST-AID MEASURES

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek immediate medical attention if irritation persists.

SKIN CONTACT: Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder contaminated clothing before re-use.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, or respiratory system problems may be aggravated by exposure to this product.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT: Non-Flammable Solid
AUTOIGNITION TEMPERATURE: Not Established
FLAMMABLE LIMITS (in air by volume, %):
LOWER (LEL): Not Established
UPPER (UEL): Not Established
FIRE EXTINGUISHING MATERIALS: Use media suitable for surrounding area. Carbon dioxide, foam, dry chemical, halon, water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Explosion Sensitivity to Mechanical Impact: None known
Explosion Sensitivity to Static Discharge: Not Sensitive
SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full
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protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD (BLUE) 1
FLAMMABILITY HAZARD (RED) 0
PHYSICAL HAZARD (YELLOW) 0

HAZARD SCALE: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations.

SPILLS: SMALL SPILL: Sweep up material and transfer to an appropriate container. LARGE SPILL: Dike the area of the spill to prevent spreading. The material may then be taken up with vacuum and transferred to appropriate containers. Notify proper authorities if required by local, state, or federal regulations. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations)

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: Store in a cool, dry location in original container. For storage & usage, it is important to take special notice of the shelf life of this product which is provided on the Cert. of Analysis.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>ACGIH TWA</th>
<th>OSHA TWA</th>
<th>WEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non Hazardous Dry Blend</td>
<td>7757-82-6</td>
<td>10 mg/m³ Total Dust</td>
<td>15 mg/m³ Total Dust</td>
<td>10 mg/m³ Total Dust</td>
</tr>
</tbody>
</table>

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.
RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE: Solid (Powder)
APPEARANCE & ODOR: Dark red powder with no odor.
ODOR THRESHOLD (PPM): None
VAPOR PRESSURE (mmHg): Not Available
VAPOR DENSITY: Not Available
EVAPORATION RATE (nBuAc = 1): Not Available
BOILING POINT (C°): Not Available
FREEZING POINT (C°): Not Available
pH: Not Available
SPECIFIC GRAVITY 20°C: (WATER =1) 1.16
SOLUBILITY IN WATER (%): Complete
% VOLATILE WEIGHT: None

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable
DECOMPOSITION PRODUCTS: When heated to decomposition this product produces oxides of carbon and sulfur oxides.
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong oxidizers and reducing agents
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Incompatible materials

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: Toxicity data is not available for this product
CAS# 7757-82-6
No LD50 Data Available
IRRITANCY OF PRODUCT: Contact with this product can be irritating to exposed skin and eyes
SUSPECTED CANCER AGENT: None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore are not considered to be, nor suspected to be a cancer-causing agent by these agencies.
SENSITIZATION OF PRODUCT: This product does not contain an ingredient that is considered a skin and respiratory sensitizer.
REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
ENVIRONMENTAL STABILITY: No specific data is available for this product.
EFFECT OF MATERIAL ON PLANTS or ANIMALS: No evidence is currently available on this product’s effects on plants or animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

RCRA WASTE CODE: Not Known
EU WASTE CODE: Not known – Dependent on use and contamination

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:
THIS PRODUCT IS NOT CLASSIFIED AS DANGEROUS GOODS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Non-Regulated Material
HAZARD CLASS NUMBER and DESCRIPTION: None
UN IDENTIFICATION NUMBER: None
PACKING GROUP: None
DOT LABEL(S) REQUIRED: None
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): None
MARINE POLLUTANT: This product does not contain ingredients that are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:
This product is not classified as Dangerous Goods, per regulations of Transport Canada

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):
This product is not classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:
This product is not classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):
This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS
SARA REPORTING REQUIREMENTS: This product is subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.
SARA 311/312:
Acute Health: Yes Chronic Health: No Fire: No Reactivity: No
U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.
U.S. CERCLA REPORTABLE QUANTITY (RQ): None
CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): None of the ingredients is on the California Proposition 65 lists.

CANADIAN REGULATIONS:
CANADIAN DSL/NDSL INVENTORY STATUS: All of the components of this product are on the DSL Inventory
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.
CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is categorized as a Class D Division 2B Materials causing other toxic effects, as per the Controlled Product Regulations.

EUROPEAN ECONOMIC COMMUNITY INFORMATION:
EU LABELING AND CLASSIFICATION:
Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT:
AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:
JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES:
Listing of the components on individual country Chemical Inventories is as follows:
- Asia-Pac: List
- Australian Inventory of Chemical Substances (AICS): Listed
- Korean Existing Chemicals List (ECL): Listed
- Japanese Existing National Inventory of Chemical Substances (ENCS): Listed
- Philippines Inventory if Chemicals and Chemical Substances (PICCS): Listed
- Swiss Giftliste List of Toxic Substances: Listed
- U.S. TSCA: Listed

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett

Disclaimer:
The suggestions and data provided herewith are based upon tests which Pavco Inc. believes to be reliable. However, we make no guarantee with respect thereto and assume no liability resulting from the use thereof. Users should make their own investigations to determine the suitability of the information or products for their particular purpose. Furthermore, nothing contained herein is intended as permission, inducement or recommendation to violate any laws or to practice any invention covered by existing patents.