

M A T E R I A L S A F E T Y D A T A S H E E T

HEAVY DUTY CITRUS CLEANER

PRODUCT NAME: HEAVY DUTY CITRUS CLEANER
PRODUCT CODE: HDCIT

HMIS CODES: H F R I
2 1 2 E

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: Color Fast Industries, Inc.
ADDRESS : 350 West H Street
Colton, CA 92324

EMERGENCY PHONE : (888) 600-0476 DATE PRINTED : 07/31/96
INFORMATION PHONE : (909) 514-1458 NAME OF PREPARER : Dexter Tuttle

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
D-LIMONENE THRESHOLD LIMIT VALUE 150PPM	5989-27-5	3 MM HG 4.7	46

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***
ABBREVIATIONS: NE - NOT ESTABLISHED, NA - NOT APPLICABLE, [CL] - CEILING LIMIT, D - NUISANCE PARTICLE TVL 10 MG/M3 TOTAL DUST, [C] - CARCINOGEN, [PC] - POTENTIAL CARCINOGEN, DD - INERT OR NUISANCE DUST PEL 15 MG/M3 TOTAL DUST, [1] - NOT ESTABLISHED OR USE STODDARD SOLVENT AS A GUIDE.

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: > 212 F SPECIFIC GRAVITY (H2O=1): 0.84
VAPOR DENSITY: Lighter than air EVAPORATION RATE: Slower than Ether
COATING V.O.C.: -0.10 lb/gl MATERIAL V.O.C.: 4.97 lb/gl
SOLUBILITY IN WATER: Dispersible.
APPEARANCE AND ODOR: MILKY LIQUID ORANGE SMELL

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 120 DEG. F TO 130 DEG.F METHOD USED: Setaflash
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 0.7 UPPER: 6.5

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

Summon professional firefighters. Use full protective equipment including a self-contained breathing apparatus. Water spray may be ineffective. If water is used, fog nozzles preferable. If exposed to fire or extreme heat, water should be used to cool closed containers and prevent pressure build up or possible auto-ignition.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and flame. Due to pressure build-up, closed containers exposed to extreme heat may explode. Never use a welding or cutting torch on or near container (even empty) as product or its residue may ignite. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

===== SECTION V - REACTIVITY DATA =====

STABILITY: Stable
CONDITIONS TO AVOID

Keep away from heat, sparks, open flame and all sources of ignition.

INCOMPATIBILITY (MATERIALS TO AVOID)

No specific incompatibilities.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Emits unknown toxic combustion products.

HAZARDOUS POLYMERIZATION: Will Not Occur

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Vapor or mist may cause respiratory irritation, dizziness and/or nausea, tightness of the chest, shortness of breath, headache. Excessive inhalation of vapors can cause central nervous system effects including, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, even death.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause irritation, reddening, swelling, rash scaling and blistering of the skin. May cause irritation, reddening and pain tearing. Eye damage can result.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Possible skin sensitizer. Can cause skin irritation. Solvents may be absorbed giving similar effects to those under inhalation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Causes burning of mouth, throat and stomach with abdominal and chest pain, nausea, vomiting, diarrhea. Aspiration may occur during vomiting or swallowing causing lung damage.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE:

Primary routes of entry: Inhalation, skin and eye contact.

EYES: Causes irritation, pain and tearing marked by excess redness and swelling of the eye and possibly chemical burns to the eye. Severe eye damage may result, leading to blindness.

SKIN: Prolonged or widespread skin contact may result in the absorption of potentially harmful amounts of material. Causes severe irritation with pain, severe excess redness and swelling with chemical burns, blister formation, and possible tissue destruction.

INHALATION: Vapors or mist are irritating and causes nasal discharge, coughing, and discomfort or pain in eyes, nose, throat and chest. Severe overexposure may result in difficulty breathing, headache, nausea, vomiting and drowsiness. Prolonged overexposure may result in lung damage.

INGESTION: Causes burning of mouth, throat and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness, and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

CHRONIC:

Repeated skin contact may cause a persistent irritation or dermatitis. Repeated inhalation may cause lung damage.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No
N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Chronic respiratory conditions. Skin allergies, eczema.

EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with cool water for at least 15 minutes. Call a physician.

SKIN: Wash thoroughly with soap and water. Call a physician if necessary.

INGESTION: Call a physician. Never give anything by mouth to an unconscious person.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, qualified personnel may administer oxygen. Call a physician.

NOTICE TO PHYSICIAN

N/A

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Soak up with absorbant material and remove to closed container. Wash area with mild detergent and water. Dispose of in accordance with local, state and federal EPA regulations.

WASTE DISPOSAL METHOD

Dispose of in accordance with Local, State and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from children. Do not get in eyes, on skin or clothing. Do not take internally. Keep container closed when not in use. Avoid breathing vapor. Wash thoroughly after handling and before eating or drinking. Use with adequate ventilation. Flammable liquid, do not expose to sources of ignition.

OTHER PRECAUTIONS

No eating or drinking should be allowed in the vicinity of this material. Smoking in the area where this material is used should be strictly prohibited. Tools used with this material should be non sparking.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

Do not breath vapors, spray mist or sanding dust. When spray applied in outdoor or open areas and during sanding or grinding operations, use NIOSH/MSHA approved mechanical filter respirator to remove solid airborne particles of overspray and sanding dist. When used in restricted ventilation areas, wear NIOSH/MSHA approved chemical/mechanical filter designed to remove a combination of particulates and vapor. When used in confined areas, wear NIOSH/MSHA approved air supply respirators or use hoods. Use NIOSH/MSHA approved respirator when flame cutting, welding, brazing and sanding material coated with this product.

VENTILATION

Provide general dilution or local exhaust venilation in volume and pattern to keep the air contaminant concentration below current applicable safety and health standards in the mixing, application and curing areas and to remove the sanding dusts and dried coatings and decomposition products during welding and flame cutting on surfaces coated with this product. Vapors may spread long distances. Prevent build-up by removing heavy solvent vapoars from lower levels of the work area. Eliminate all ignition sources.

PROTECTIVE GLOVES

Impermeable recommended.

EYE PROTECTION

Solvent resistant safety eyewear with splash guards or side shields is recommended. Contact lenses should not be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye wash facility and safety shower recommended. Use impermeable aprons and protective clothing whenever possible to prevent skin contact.

WORK/HYGIENIC PRACTICES

Wash hands with soap and water after using and before eating or drinking.

===== SECTION IX - REGULATORY INFORMATION =====

PROPER SHIPPING NAME :

NAVY DUTY CITRUS CLEANER

N/A

HAZARD CLASS :

N/A

UN/NA ID NUMBER :

N/A

NEW JERSEY/MASS./PA RIGHT TO KNOW

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

Toxic Substances Control Act (TSCA): This product and/or all the ingredients contained in this product have been registered under the Toxic Substances Control Act.

R.C.R.A.: This product has a flash point of less than 140 degrees fahrenheit (TCC). This means that it is within the flash point definition of "Ignitable Waste" as defined in 40 CFR 261, "Identification and Listing of Hazardous Waste". Should the undiluted or concentrated material be discarded, it would be classified as hazardous. The EPA hazardous waste number is D001.

This product has been reviewed in accordance with sections 311 (MSDS Inventory) and section 312 (Tier I/II Inventory) of the Superfund Amendment and Reauthorization Act of 1986 (40 CFR 370.2) for "Hazard Category" Status. Under applicable definitions, this product meets the following categories: Immediate (acute) health hazard, and fire hazard.

===== SECTION X - COMMENTS =====

The information contained in this Material Safety Data Sheet is based on the neat or concentrated product as shipped.

===== SECTION XI - DISCLAIMER =====

This products safety information is provided to assist our customers in assessing compliance with Health/Safety/Environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of Merchantability, fitness for any use, or any other warranty is expressed or to be implied, regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the users obligation to determine the safe use of this product. Such conditions should comply with all the federal regulations concerning the product. The "SELLER" assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to negligence on the part of the "SELLER".