

Material Safety Data Sheet
Big Orange

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DATE PREPARED: 06/10/2013
REVISION DATE: 11/14/2013
CHEM-TEL: 800-225-3924
PRODUCT NUMBER: 5060-5070

SECTION I - IDENTIFICATION

PRODUCT NAME: Big Orange
PRODUCT CODE: 5060-5070
PRODUCT USE: Tar & Asphalt Remover

SECTION II – COMPOSITION/HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	OSHA PEL	ACGIH TLV
1,8-p-Menthadiene	5989-27-5	Not Established	Not Established
Non-ionic Surfactant	127087-87-0	Not Established	Not Established
Non-ionic Surfactant	9016-45-9	Not Established	Not Established
Propane	74-98-6	1000 ppm	1000 ppm
Isoparaffinic Hydrocarbon	64742-47-8	400 ppm	400 ppm

SECTION III – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **DANGER:** Extremely Flammable Aerosol
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: Causes irritation, redness, tearing.
INGESTION: Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.
INHALATION: May cause dizziness and/or headaches.
SKIN: Causes localized defatting, irritation, dermatitis.
MEDICAL CONDITION AGGRAVATED: None known
CHRONIC HEALTH HAZARDS: None known
CARCINOGENICITY: **OSHA:** No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** No

SECTION IV - FIRST AID MEASURES

EYES: Immediately flush with water for 15 - 20 minutes while holding eyelids open. Seek medical attention if irritation persists.
INGESTION: Not a likely exposure route. If a large quantity of liquid is swallowed, do not induce vomiting, call a physician or poison control center.
INHALATION: Move to fresh air. If not breathing, administer artificial respiration.
SKIN: Immediately wash with soap and warm water for 15 minutes.
NOTE TO PHYSICIAN: None

SECTION V – FIRE-FIGHTING MEASURES

FLASH POINT: 122°F (50°C) TCC
FLAMMABLE LIMITS IN AIR, (% BY VOLUME) **UPPER:** 7 **LOWER:** 6.1
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, and water spray or fog.
SPECIAL FIRE FIGHTING PROCEDURES: Wear SCBA in fire situations.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition. Contains flammable propellant.
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon

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SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL: Eliminate all sources of ignition. Absorb spill with non-combustible material such as vermiculite, sand or earth.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

RCRA STATUS: Non-hazardous

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool, dry area. Do not use or store near heat or open flames. Exposure to temperatures above 120 F may cause bursting. May accumulate and create a flammable atmosphere.

OTHER PRECAUTIONS: Store in a cool, dry area away from heat, sparks or flame. Read directions before using. Keep container tightly closed when not in use. Keep out or reach of children

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: General ventilation adequate.

RESPIRATORY PROTECTION: Avoid breathing vapor.

PROTECTIVE CLOTHING: Safety glasses and chemical resistant gloves are recommended.

ADDITIONAL MEASURES: Wash hands thoroughly after use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid, Clear to Slight Tint

ODOR: Citrus

PHYSICAL STATE: Aerosol Spray

BOILING POINT: 345°F (174°C)

FREEZING POINT: Not Tested

VAPOR PRESSURE (mm Hg): N/A

VAPOR DENSITY (AIR=1): > 2

EVAPORATION RATE: < 1

SPECIFIC GRAVITY (H2O=1): 0.85

SOLUBILITY IN WATER: Slight

VOLATILITY INCLUDING WATER (%): 100%

VOLATILE ORGANIC COMPOUNDS (VOC): 37.65%

SECTION X – STABILITY AND REACTIVITY DATA

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Temperatures greater than 120°F and sources of ignition.

INCOMPATIBILITY: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of carbon

HAZARDOUS POLYMERIZATION: Will not occur

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **1,8-p-Menthadiene** (5989-27-5) LD₅₀ (Oral, Rat) 4400 mg/kg (Mouse) 5600 mg/kg; LD₅₀ (Dermal, Rabbit) 5000 mg/kg **Non-ionic Surfactant** (127087-87-0) LD₅₀ (Oral, Rat) 1.77 - 4.53 ml/kg; LD₅₀ (Skin, Rabbit, 24hr) 2.83 (1.75 - 4.57) ml/kg

Isoparaffinic Hydrocarbon (64742-47-8) LD₅₀ (Oral, Rat) 5 g/kg; LD₅₀ (Dermal, Rabbit) 2 g/kg; LC₅₀ (Rat, 4hr) 5 mg/L

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SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Isoparaffinic Hydrocarbon (64742-47-8) Not expected to be harmful or demonstrate chronic toxicity toward aquatic organisms. Expected to be readily biodegradable.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

RCRA STATUS: Non-hazardous

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Consumer commodity

ORM-D

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Ltd. Qty. Class 2

UN/NA NUMBER: UN 1950

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Ltd. Qty. Class 2

UN/NA NUMBER: UN 1950

NOTE:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None

SARA 311/312 HAZARD CATEGORIES: Fire Hazard

SARA 313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: California Proposition 65: None

INTERNATIONAL REGULATIONS: All components are listed or exempted.

NFPA HEALTH: 1

NFPA FLAMMABILITY: 3

NFPA REACTIVITY: 1

NFPA OTHER:

HMIS HEALTH: 1

HMIS FLAMMABILITY: 3

HMIS REACTIVITY: 1

HMIS PROTECTION: A

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis

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