



Safety Data Sheet

Report Date 26-May-15

Page 1 of 4

1. Identification

Product Name : Brush & Basal Oil (National)
Synonyms : None
Product Use : Carrier or Adjuvant for Oil Soluble Herbicides
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification

Signal Word : Warning (no symbol)
Skin Irritation : May cause slight skin irritation with short-term direct contact.
Eye Irritation : May cause irritation.
Acute Toxicity Oral : Contains petroleum distillate. Vomiting may cause aspiration pneumonia.
Acute Toxicity Dermal : May be harmful in contact with skin.

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye Irritation-2B; Skin Irritation-3

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes eye irritation
Causes mild skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Hydrotreated Light Paraffinic Distillate (Petroleum Oil)	64742-55-8	98
Polyoxyethylene sorbitan fatty acid ester, an emulsifier	Proprietary	2

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

Extinguishing Media : Use foam, water spray, dry chemical, carbon dioxide, or vaporizing liquid type extinguishing agents. Frothing may occur when using water or foam if sprayed into containers of hot, burning liquid.



Safety Data Sheet

Report Date 26-May-15

Page 2 of 4

- Specific Hazards Arising from the Chemical** : May produce fumes, smoke, carbon monoxide, aldehydes or other products under fire conditions.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Discharges or spills that enter any body of water must be immediately reported to the National Response Center (1-800-424-8802).
- Methods and Materials for Containment and Cleanup** : Spills to soil should be immobilized and removed immediately. Spills to water should be diked or dammed to prevent spreading. Recover free product and dispose of properly.

7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

8. Exposure Controls / Personal Protection

- TLV/PEL** : TLV = 5 mg/m³ (petroleum oil, hydrotreated light paraffinic distillate)
- Appropriate Engineering Controls** : General and/or local exhaust should be sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear to light yellow liquid, petroleum odor.
- Flash Point, °F** : >360 Degrees F.
- Boiling Point, °F** : Not determined
- Melting Point(Freezing point), °C** : Not applicable
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not applicable
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.857
- Evaporation Rate(Butyl Acetate = 1)** : Not applicable
- Octanol/Water Partition Coefficient** : No information found
- pH** : Not applicable, non-aqueous
- Flammable Limits (approximate volume % in air)** : No information found
- Auto-ignition Temperature** : >580 Degrees F.
- Decomposition temperature** : No information found



Safety Data Sheet

Report Date 26-May-15

Page 3 of 4

10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition Products** : May produce fumes, smoke, carbon monoxide, aldehydes or other products.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Sources of ignition
- Incompatible Materials** : May react with strong oxidizers such as liquid chlorine, concentrated oxygen, sodium hypochlorite, etc. as these present an explosion hazard.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : No LD50 available. May be harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : No LD50 available. May be harmful in contact with skin.
- Acute Toxicity Inhalation LC50** : No LC50 available. May be harmful if inhaled.
- Likely Routes of Exposure** : Skin, eyes, inhalation, ingestion
- Skin Irritation** : Causes mild skin irritation.
- Eye Irritation** : Causes eye irritation.
- Skin Sensitization** : Not listed as a sensitizer.
- Carcinogenic** : Not listed as a carcinogen by IARC, NTP or OSHA.
- Chronic Effects** : Prolonged or repeated skin contact may result in oil acne, characterized by blackheads with possible secondary infection.
- Other Hazards** : No information found

12. Ecological Information

- Ecotoxicity** : No information found
- Persistence and Degradability** : No information found
- Bioaccumulative Potential** : No information found
- Mobility in Soil** : No information found
- Other Adverse Effects** : No information found

13. Disposal Considerations

- Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

- UN Proper Shipping Name** : Not regulated by DOT.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : No information found
- Transport in Bulk** : No information found
- Special Precautions for Transportation** : No information found
- Freight Classification** : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)



Safety Data Sheet

Report Date 26-May-15

Page 4 of 4

15. Regulatory Information

National Fire Protection Association Rating :

Health: 0 Fire: 1 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 26-May-2015