

SAFETY DATA SHEET

1. Product Identification

Wayne Concept
5005 Speedway Drive
Fort Wayne, IN 46825
(260)482-8615

Product: Big O
SDS#: 763
CAS: Mixture
Recommended use: Cold solvent degreaser
Restrictions: Do not use near heat/sparks/open flames.
Created: 12/31/2015
Revised: 07/12/2016
Emergency phone: INFOTRAC (800)535-5053

2. Hazards Identification

Appearance: Water white liquid
Odor: Citrus odor
Classification(s): Flammable Liquid, Category 4
Hazardous to aquatic environment, acute - Cat. 2
Hazardous to aquatic environment, long term – Cat. 2
Target organs: None
Symbol(s):



Signal Word: **WARNING**
Hazard Statement(s): Combustible liquid and vapor. Harmful if swallowed.
Causes eye and skin irritation.
Toxic to aquatic life, and toxic to aquatic life with long lasting effects.

Other hazard(s): Repeated exposure may cause dryness of the skin

Precaution(s): Keep away from heat/sparks/open flames/hot surfaces – no smoking. Do not breathe mist/vapors/spray. Use in a well ventilated area. Wear protective gloves/protective clothing.

Do no ingest. IF SWALLOWED: Do NOT induce vomiting. Rinse mouth out. Get immediate medical attention.

Disposal: Keep out of waterways. Check local, national, and international regulations for proper disposal

3. Composition/Information on Ingredients

Hazardous Ingredients:

<i>Component</i>	<i>CAS No.</i>	<i>Conc (wt%)</i>
Naphtha (petroleum), hydrotreated light	64742-47-8	85-95
Citrus terpenes	5989-27-5	5-15

4. First Aid Measures

Eyes Remove contact lenses, if worn. Rinse with running water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek medical attention if irritation persists.

Skin Remove affected clothing and launder before reuse. Wash affected area for at least 15 minutes with soap and running water. Seek medical attention if persistent irritation occurs. Prolonged or repeated exposure may cause defatting of the skin – symptoms include redness, dryness, cracking

Inhalation Remove exposed person to fresh air immediately. Restore or assist breathing, if necessary. Get medical attention if breathing is slow or difficult.

Ingestion If swallowed DO NOT induce vomiting. Rinse mouth. If vomiting occurs spontaneously, keep head below hips to minimize the chance of aspiration. If fever, shortness of breath, congestion, coughing or wheezing occurs, get immediate medical attention.

Additional Info
Specific Treatments Note to physician: High potential for chemical pneumonitis! Consider gastric lavage with protected airway, or administration of activated charcoal. Call poison control for specific guidance.

5. Fire Fighting Measures

Flash Point 80°C / 176°F

Extinguishing Media Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.

Unsuitable Media Do not use water jet

Firefighting Procedures: Keep nearby containers cool with water spray.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:

Combustible liquid. Keep unnecessary personnel away. Wear appropriate personal protective equipment for emergency. Ventilate if released in a confined area. Eliminate sources of ignition if it is safe to do so.

Environmental precautions: Avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways or groundwater

Methods for removal: Use an explosion-proof pump to remove bulk liquid. Residual liquid can be absorbed on inert material or evaporated with adequate ventilation. **Use only non-sparking tools.**

7. Handling and Storage

Max. Handling Temp: Do not store or handle at elevated temperatures. See Section 5 for flammability and Section 10 for chemical stability

Procedures: Use only in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Use appropriate containment to avoid environmental contamination. Vapors are heavier than air and will tend to accumulate in low areas. Avoid sources of ignition and use non-sparking tools. Avoid use in confined areas without adequate ventilation. Areas of inadequate ventilation could contain concentrations high enough to cause eye irritation, headaches, or nausea. Avoid breathing dust, fume, gas, mist, vapors, or spray. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of the product. Do not weld, heat,

or pressurize empty containers. Do not re-use containers. Dispose of packaging or containers in accordance with local, regional, national, and international regulations. Store away from strong oxidizers

Max Store Temp: Do not store or handle at elevated temperatures.

Unsuitable Materials: Avoid prolonged contact with natural, butyl or nitrile rubbers.

Other: Store in a diked area and prevent discharge into the aquatic environment

8. Exposure Controls/Personal Protection

Exposure Limits

US

Guidelines by component

Petroleum distillates hydrotreated light (CAS # 64742-47-8)

PEL/TWA: 100 mg/m³

Citrus terpenes (CAS # 5989-27-5)

8h TWA: 30 ppm (AIHA)

Other Exposure Limits: Not determined

Engineering Controls: Use in a well ventilated area. Local and general ventilation should keep methanol vapor concentration below permissible limits. Where exposure potential exceeds recommended limits, use a NIOSH/OSHA approved supplied air respirator as recommended. Vapors are heavier than air and will tend to accumulate in low-lying areas.

Personal Protective Equipment

Respiratory: Use a positive-pressure supplied-air NIOSH approved respirator when used in confined spaces or where engineering controls are not sufficient to limit exposure to below recommended limits

Eye: Face shield or chemical splash goggles when splashing may occur. If possible, remove contact lenses before handling

Gloves: Use neoprene or viton gloves. Nitrile gloves can be used – but prolonged contact may cause the rubber to degrade

Clothing: Use chemical resistant pants and jackets

Other: Locate the nearest eyewash station and safety shower before handling this product. Limit exposure whenever possible. Consider flammability and always use non-sparking tools.

Hygiene: Wash thoroughly after handling this product.

9. Physical and Chemical Properties

Appearance	Water white liquid
Odor	Citrus odor
Odor threshold	Not determined
pH	Not determined
Melting Point	-58°C/-72.4°F
Initial Boiling Pt	175°C / 347°F
Flash Point	80°C / 176°F
Evaporation Rate	< 1 (BuAc = 1)
Upper Flammable Lm	5.5% vol. in air
Lower Flammable Lm	0.6% vol. in air
Vapor Pressure	0.15 mm Hg
Vapor Density	4.5 (where air = 1)
Volatile Organics	100%
Specific Gravity	0.791 ±0.005
Density	6.59 ±0.05
Solubility	Insoluble

10. Stability and Reactivity

Stability	Material is normally stable at ambient temperatures and pressures.
Decomposition Temp	Not determined. Stable under normal conditions of use
Incompatibility	Keep away from strong oxidizers and strong acids.
Conditions to Avoid	Flammable liquid and vapor – keep away from heat/sparks/open flames/hot surfaces.

11. Toxicological Information

- Acute Exposure -

Eye Irritation	Direct contact with eyes expected to cause temporary irritation.
Skin Irritation	Mild skin irritant. Repeated exposure may cause dermatitis, drying, cracking, and defatting of the skin.
Respiratory Irritation	Prolonged inhalation may be harmful.

Hydrotreated Light Petroleum Distillate

Dermal Toxicity	Expected to be a low hazard for usual industrial and commercial applications.
Inhalation Toxicity	Not Available
Oral Toxicity	Low order of toxicity LD50 >5g/kg, rat
	<i>Citrus tepenes</i>

Inhalation Toxicity RD50 >1g/kg, mouse

Oral Toxicity LD50 >5g/kg, rabbit

Chronic effects Prolonged or repeated exposure can cause frying or dermatitis or skin. Improper storage and handling may lead to the formation of a possible skin sensitizer.

- Chronic Exposure -

Chronic Toxicity Prolonged inhalation may be harmful.

Carcinogenicity This product and its components are NOT listed by the IARC, NTP, ACGIH, or OSHA as carcinogens.

Mutagenicity Available information does not suggest that this product is a germ cell mutagen

Reproductive Toxicity Available information does not suggest that this product is a reproductive toxin.

12. Ecological Information

- Environmental Toxicity -

Petroleum Distillates, hydrotreated light

Freshwater Fish LC50 (Oncorhynchus mykiss) 2.9 mg/l, 96 hr

Citrus terpenes

There is no information available at this time for this product. However, a spill may produce significant toxicity to aquatic organisms and ecosystems. Some studies have shown that certain bacteria and fungi have the ability to degrade terpenes, decreasing the toxicity to fish. When spilled, this product may act as an oil, causing a film, sheen, emulsion, or sludge at or beneath the surface of a body of water.

- Environmental Fate -

Biodegradation No data available.

Bioaccumulation No data available.

Soil Mobility No data available.

Other Effects No other adverse environmental effects are expected.

13. Disposal Considerations

Disposal Considerations

All disposal practices must be in accordance with local, regional, national, and international regulations. Store material for disposal as indicated in Section 7.

Disposal by controlled incineration or recycling may be acceptable – review applicable regulations or regulatory bodies before making disposal decisions.

Contaminated Containers or Packaging

Empty containers are likely to contain combustible vapors of vapor and air. Do NOT weld, cut, or grind empty containers. Send to reconditioner or metal reclaimer if possible. Dispose of in accordance with local, regional, national, and international regulations

14. Transportation Information

Description shown may not apply to all shipping situations. Consult applicable shipping codes to determine any additional shipping requirements

US DOT

UN/NA ID# NA1993

Shipping Name COMBUSTIBLE LIQUID, N.O.S. (CONTAINS PETROLEUM DISTILLATES)

Packing Group III

Marine Pollutant No
(Not regulated in containers less than 119 gallons)

15. Regulatory Information

USA - **Global Chemical Inventories/Regulations –**
All components of this material are on the USTSCA

Other TSCA Reg. This product is listed on the TSCA as UVCB (Unknown, Variable composition, or Biological)

Canada All components of this product are listed on the Canadian Domestic Substances List (DSL).

Canada WHMIS B3 (Combustible liquid)

- **Other U.S. Federal Regulations –**

SARA Ext. Haz. Subst. No chemicals in this product are listed on the SARA 302 Extremely Hazardous Substances list.

SARA 311/312 *Fire Hazard* - YES

SARA Sect. 313 No chemicals in this product are listed on the SARA 313

CERCLA Haz. Sub. No chemicals in this product are reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- **State Regulations –**

CA Prop 65 This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Right to Know Component

Right to Know States

Petroleum distillates,
hydrotreated light (CAS #
64742- 47-8)

MA, NJ, PA

16. Other Information

Revision updates may be in many sections and the SDS should be read in its entirety. Prepared according to the UN Globally Harmonized System for the Classification and Labeling of Chemicals (GHS) by Wayne Concept.

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