Material Safety Data Sheet: BERRY BLAST

Supercedes Date 07/18/2007 **Issuing Date** 07/19/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name BERRY BLAST
Recommended Use Fragrance
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5774
Chemical Nature Petroleum distillates
Emergency Telephone Number
CHEMTREC ® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
WARNING
Combustible liquid and vapor
Causes skin irritation
Causes eye irritation
May cause allergic skin reaction
May be harmful if inhaled
May cause allergic respiratory reaction
May be harmful if swallowed

Color Yellow **Physical State** Liquid **Odor** Fruity

Potential Health Effects
Principle Route of Exposure Skin contact, Eye contact, Inhalation.
Primary Routes of Entry Inhalation, Skin Absorption.
Acute Effects
Eyes Causes eye irritation.
Skin Causes skin irritation. May cause allergic skin reaction.
Inhalation May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. May cause allergic respiratory reaction.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.
Chronic Toxicity May cause sensitization by skin contact, May cause sensitization by inhalation, Liver and kidney injuries may occur.
Target Organ Effects Central nervous system, Cardiovascular system, Respiratory system, Liver, Kidney, Lungs, Bone Marrow.
Aggravated Medical Conditions Respiratory disorders, Skin disorders, Liver disorders, Kidney disorders, Neurological disorders.
Potential Environmental Effects See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Ethyl Butyrate	105-54-4
n-Butyl acetate	123-86-4
D-Limonene	5989-27-5
n-Amyl acetate	628-63-7
Petroleum distillates, hydrotreated light	64742-47-8

4. FIRST AID MEASURES

General Advice Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Notes to Physician May cause sensitization of susceptible persons. Aspiration hazard if swallowed - can enter lungs and cause damage.

5. FIRE-FIGHTING MEASURES

Flash Point 160°F/71°C **Method** Seta closed cup
Autoignition Temperature No information available.
Flammability Limits in Air % Mixture. **Upper** 8.8 **Lower** 0.6
Suitable Extinguishing Media
Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical

Combustible Liquid. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	**Health** 1	**Flammability** 2	**Instability** 0
HMIS	**Health** 1	**Flammability** 2	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage Keep away from heat and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature **Minimum** 35°F/2°C **Maximum** 120°F/49°C

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Ethyl Butyrate	No data available	No data available	No data available
n-Butyl acetate	200 ppm STEL : 150 ppm TWA	150 ppm TWA; 710 mg/m^3 TWA	1700 ppm IDLH (10% LEL) : 150 ppm TWA; 710 mg/m^3 TWA 200 ppm STEL; 950 mg/m^3 STEL
D-Limonene	No data available	No data available	No data available
n-Amyl acetate	100 ppm STEL : 50 ppm TWA	100 ppm TWA; 525 mg/m^3 TWA	1000 ppm IDLH : 100 ppm TWA; 525 mg/m^3 TWA
Petroleum distillates, hydrotreated light	5 mg/m^3 as oil mist	10 mg/m^3 as oil mist	No data available

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.

Skin Protection Wear suitable protective clothing, Impervious gloves.

Respiratory Protection In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Viscosity**	Non viscous
Color	Yellow	**Odor**	Fruity
Appearance	Transparent	**pH**	Not applicable
Specific Gravity	0.80	**Evaporation Rate**	0.01 (Butyl acetate=1)
Percent Volatile (Volume)	99	**VOC Content (%)**	100
VOC Content (g/L)	100	**Vapor Pressure**	No information available
Vapor Density	No information available	**Solubility**	Insoluble
Boiling Point/Range	415°F/213°C		

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.

Conditions to Avoid Heat, flames, and sparks

Incompatible Products Strong oxidizing agents

Hazardous Decomposition Products Carbon oxides

Possibility of Hazardous Reactions None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Ethyl Butyrate	13 g/kg (Rat)	2 g/kg (Rabbit)	no data available	no data available	no data available
n-Butyl acetate	10768 mg/kg (Rat)	17600 mg/kg (Rabbit)	390 ppm (Rat) 4 h	no data available	no data available
D-Limonene	4400 mg/kg (Rat)	2000 mg/kg (Rabbit)	no data available	no data available	no data available
n-Amyl acetate	1600 mg/kg (Rat)	no data available	no data available	no data available	no data available
Petroleum distillates, hydrotreated light	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	5.2 mg/L (Rat) 4 h	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Ethyl Butyrate	no data available	no data available	no data available	no data available	no data available
n-Butyl acetate	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin
D-Limonene	no data available	Skin sensitization, Respiratory sensitization	no data available	no data available	CNS, bone marrow, lungs, liver, kidneys
n-Amyl acetate	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin
Petroleum distillates, hydrotreated light	no data available	no data available	no data available	no data available	CNS, cardiovascular system, respiratory system

Carcinogenicity There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Ethyl Butyrate	not applicable	not applicable	not applicable	not applicable	not applicable
n-Butyl acetate	not applicable	not applicable	not applicable	not applicable	not applicable
D-Limonene	not applicable	not applicable	not applicable	not applicable	not applicable
n-Amyl acetate	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated light	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Ethyl Butyrate	no data available	no data available	no data available	no data available	N/A
n-Butyl acetate	EC50= 674.7 mg/L Desmodesmus subspicatus 72 h	LC50 17-19 mg/L Pimephales promelas 96 h LC50= 100 mg/L Lepomis macrochirus 96 h LC50= 62 mg/L Leuciscus idus 96 h	EC50 = 70.0 mg/L 5 min EC50 = 82.2 mg/L 15 min EC50 = 959 mg/L 18 h EC50 = 98.9 mg/L 30 min	EC50 = 72.8 mg/L 24 h	1.81 at 23 ° C
D-Limonene	no data available	LC50 0.619-0.796 mg/L Pimephales promelas 96 h LC50= 35 mg/L Oncorhynchus mykiss 96 h	no data available	no data available	N/A
n-Amyl acetate	no data available	LC50= 650 mg/L Lepomis macrochirus 96 h	no data available	no data available	N/A
Petroleum distillates, hydrotreated light	no data available	LC50= 2.2 mg/L Lepomis macrochirus 96 h LC50= 2.4 mg/L Oncorhynchus mykiss 96 h LC50= 45 mg/L Pimephales promelas 96 h	no data available	LC50 = 4720 mg/L 96 h	N/A

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name <119 gals = NOT REGULATED (DOT Combustible exception 173.150(f)) >119 gals = Petroleum Distillates, N.O.S.
Hazard Class 3
UN-No UN1268
Packing Group III
Description UN1268, Petroleum distillates, N.O.S.,3,III

TDG

Proper shipping name <119 gals = NOT REGULATED >119 gals = Petroleum Distillates, N.O.S.,3,III
Hazard Class 3
UN-No UN1268

Packing Group	III
Description	UN1268, Petroleum Distillates, N.O.S.,3,III
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Ethyl Butyrate	Not applicable	Not applicable
n-Butyl acetate	Not applicable	Not applicable
D-Limonene	Not applicable	Not applicable
n-Amyl acetate	Not applicable	Not applicable
Petroleum distillates, hydrotreated light	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid, D2A Very toxic materials, D2B Toxic materials.

16. OTHER INFORMATION

Prepared By	Dan Hollas
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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