



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

PRODUCT NAME: BUTYL ACETATE NORMAL 99.5%

PRODUCT CODE: 980

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Revision Date: 11/04/2005

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MSDS Number: R0001002

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Material Identity

Product Name: BUTYL ACETATE NORMAL 99.5%

General or Generic ID: Solvent Blend

Company

PBE Jobbers Warehouse

2899 Syene Road

Madison, WI 53713

1-800-225-5723

Emergency Telephone Number: 1-800-424-9300 CHEMTREC

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid, Sweet odor, Colorless

WARNING!

Flammable Liquid, Moderate skin irritant, Moderate eye irritant

Potential Health Effects

Routes of exposure

Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion

Eye contact

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin contact

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns., Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful., Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation

Breathing of vapor or mist is possible., Breathing this material may be harmful., Breathing small



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amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful., Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8)., Breathing air containing n-butyl acetate, which results from its use in aerosol applications, may cause delayed lung injury.

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:, skin, lung (for example, asthma-like conditions)

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), narcosis (dazed or sluggish feeling)

Target Organs

No data.

Carcinogenicity

There is no information available. The chance of this material causing cancer is unknown., This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Reproductive hazard

This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

Other information

No data.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Concentration
N-BUTYL ACETATE	123-86-4	-<=100%

4. FIRST AID MEASURES

General Information

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.



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Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended. Give individual two glasses of milk or water to drink. If symptoms develop, seek medical attention.

Inhalation

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen. If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician

No data.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media :

foam, alcohol-resistant foam, carbon dioxide (CO₂), dry chemical

Hazardous combustion products:

May form:, carbon dioxide and carbon monoxide, various hydrocarbons

Precautions for fire-fighting:

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77., Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see section 8. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

Environmental precautions

Methods for cleaning up

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

7. HANDLING AND STORAGE

Handling:

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed., Emergency eyewash fountains and safety showers should be available in the immediate vicinity of potential exposure. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.

Storage:

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

N-BUTYL ACETATE

123-86-4

OEL (QUE)	time weighted average	150 ppm
OEL (QUE)	time weighted average	713 mg/m3
OEL (QUE)	Short term exposure limit	200 ppm
OEL (QUE)	Short term exposure limit	950 mg/m3
CAD AB OEL	time weighted average	150 ppm
CAD AB OEL	time weighted average	713 mg/m3
CAD AB OEL	Short term exposure limit	200 ppm
CAD AB OEL	Short term exposure limit	950 mg/m3
CAD BC OEL	time weighted average	20 ppm
CAD ON OEL	time weighted average	150 ppm
CAD ON OEL	time weighted average	710 mg/m3
CAD ON OEL	Short term exposure limit	200 ppm
CAD ON OEL	Short term exposure limit	950 mg/m3



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Exposure controls Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Eye protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin and body protection

Wear resistant gloves (consult your safety equipment supplier)., To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory protection

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

State of matter	liquid	
Form		No data.
Colour	Colorless	
Odour	Sweet odor	
Boiling point/range	126.1 °C	@
Melting point/range	-78 °C	@
pH		No data.
Flash point	22 °C	Closed Cup
Evaporation rate	1	N-Butyl Acetate
Explosion limits	1.4 %(V)	7.5 %(V)
Vapour pressure	1.53318 kPa	25 °C
Vapour density	4	
Density	0.882 g/cm ³	68.00 °F
	7.35 lb/gal	@ 20 °C
Solubility	slightly soluble	water
Partition coefficient (n-octanol/water)		No data.
Autoignition temperature		No data.

10. STABILITY AND REACTIVITY

Stability:

Stable.



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the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.,

14. TRANSPORT INFORMATION

TDG_ROAD: BUTYL ACETATES, 3, UN1123, Packing group III

TDG_RAIL: BUTYL ACETATES, 3, UN1123, Packing group III

TDG_INWTR: BUTYL ACETATES, 3, UN1123, Packing group III

IMDG: BUTYL ACETATES, 3, UN1123, Packing group III

IATA_P: Butyl acetates, 3, UN1123, Packing group III

IATA_C: Butyl acetates, 3, UN1123, Packing group III

15. REGULATORY INFORMATION

Reportable quantity: Not applicable.

WHMIS Classification	B2	Flammable Liquid
	D2B	Toxic Material Causing Other Toxic Effects

Canada. Canadian Environmental Protection Act (CEPA). WHMIS Ingredient Disclosure List (Can. Gaz., Part II, Vol. 122, No. 2)

OECD. Program to investigate the potential hazards of high production volume further work.

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Canada. Canadian Environmental Protection Act (CEPA). WHMIS Ingredient Disclosure List (Can. Gaz., Part II, Vol. 122, No. 2)

N-BUTYL ACETATE	123-86-4
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Canada. Canadian Environmental Protection Act (CEPA). National Pollutant Release Inventory (NPRI) (Can. Gaz. Part I, 135:12, 940)

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Notification status

Australia. Industrial Chemical (Notification and Assessment) Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	y (positive listing)
Switzerland. Consolidated Inventory	y (positive listing)
China. Inventory of Existing Chemical Substances	y (positive listing)
Japan. Kashin-Hou Law List	y (positive listing)
Japan. Industrial Safety & Health Law (ISHL) List	y (positive listing)
US. Toxic Substances Control Act	y (positive listing)
EU. EINECS	y (positive listing)



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Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)

	Health	Flammability	Reactivity	Other
HMIS	1*	3	0	
NFPA	1	3	0	

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.