

MATERIAL SAFETY DATA SHEET
J.P. NISSEN BLUE LAYOUT FLUID

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MANUFACTURER INFORMATION

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MANUFACTURER'S NAME: J.P. NISSEN COMPANY
ADDRESS: P.O. Box 339, Glenside, PA 19038
EMERGENCY TELEPHONE NUMBER: Chemtrec 1-800- 424-9300
GENERAL INFORMATION TELEPHONE NUMBER: 1-215-886-2025
DATE PREPARED: January 4, 2010

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SECTION 1 - IDENTITY

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COMMON NAME: J.P. NISSEN BLUE LAYOUT FLUID
CAS. NUMBER: See Section 2
CHEMICAL NAME: Aerosol Lacquer
CHEMICAL FAMILY: Organic Coating
FORMULA: N/A

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SECTION 2 - HAZARDOUS INGREDIENTS

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Principal Hazardous Component(s)

CHEMICAL AND OSHA ACGIH VAPOR FLASH
COMMON NAME(S) CAS # PEL TLV PRESS @ 25 DEG. C LEL UEL POINT DEG. F Wt %
Methyl Ethyl Ketone** 78-93-3 200ppm 200ppm 85 mmHg 1.8 10.0 23(TCC) 25 - 30
Methyl Isobutyl Ketone** 108-10-1 50ppm 50ppm 18 mmHg 1.2 10.0 60(TCC) 5 - 10
n-Butanol 71-36-3 50ppm 50ppm 33 mmHg 1.2 10.9 97(TCC) <5
Methanol** 67-56-1 200 ppm 200ppm 96 mmHg 6.0 36.0 52 (TCC) <5
Diocetyl Phthalate** 117-81-7 5mg/m3 N/A <1 mmHg Unknown 425(COC) <5
Toluene** 108-88-3 100ppm- 50ppm 38mmHg 1.8 10.0 45(TCC) 5 - 10
Butyl Acetate 123-86-4 150ppm 150ppm 10 mmHg 1.7 9.8 81(TCC) 10 - 15
Isopropyl Alcohol** 67-63-0 400ppm 400ppm 31 mmHg 2.2 12.0 53(TCC) 5 - 10
Liquefied Petroleum Gas 68476-85-7 1000ppm 1000ppm 3691 mmHg 2.0 10.0 -156 Est. 20 - 30

**NOTE: This product contains ingredients subject to Section 313 of SARA Title III.

Toluene is listed on California's Proposition 65 as a chemical known to cause birth defects or other reproductive harm.

N/A is not available or not applicable

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SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS
(Fire & Explosion Data)
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BOILING POINT (Deg. F): Concentrate Range: 132 - 300
Propellant: -16.0
SPECIFIC GRAVITY (Water = 1): Concentrate: 0.80
Propellant: 0.50
VAPOR PRESSURE (mmHg): See Section 2
PERCENT VOLATILE BY WEIGHT (%): 90%
VAPOR DENSITY (Air = 1): >1
EVAPORATION RATE (BA = 1): >1
SOLUBILITY IN WATER: Slight
REACTIVITY IN WATER: None
APPEARANCE AND ODOR: CONCENTRATE: Liquid with characteristic odor;
PROPELLANT: Colorless, odorless gas; FINISHED PACKAGE: Pressurized
containers.
FLASH POINT: See Section 2
FLAMMABLE LIMITS IN AIR - % BY VOLUME: See Section 2
EXTINGUISHER MEDIA: Carbon dioxide, foam, dry chemical
AUTO-IGNITION TEMPERATURE: Unknown
SPECIAL FIRE FIGHTING PROCEDURES: Water may be used to cool closed
containers to prevent pressure build-up and possible bursting when exposed to
high temperatures. Firemen should wear self-contained respiratory equipment.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable. Contents
under pressure. Do not use or store near heat or ignition sources. Containers
may burst at temperatures above 130 deg. F.

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SECTION 4 - PHYSICAL HAZARDS
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STABILITY: Stable
CONDITIONS TO AVOID: Avoid any ignition sources. Avoid excessive heat.
INCOMPATIBILITY (Materials to Avoid): Nitric plus Acetic Acids, Nitric plus
Sulfuric Acid, Amines, Strong Oxidizing Agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon
dioxide.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Not Applicable.
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SECTION 5 - HEALTH HAZARDS

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THRESHOLD LIMIT VALUE: See Section 2

SIGNS AND SYMPTOMS OF EXPOSURE: EYE CONTACT: May cause moderate eye irritation and moderate corneal injury. Vapors may irritate eyes; SKIN CONTACT: Prolonged contact may cause irritation, defatting of skin; INHALATION: May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: Headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Extremely high concentrations of butyl acetate have caused blood changes and weakness in laboratory animals. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage; INGESTION: If aspirated (liquid enters the lungs), it may be rapidly absorbed through the lungs and result in injury to other body systems. Gastro-intestinal distress.

IMPORTANT NOTE: REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS MAY LEAD TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EYE WATERING, HEADACHES, NAUSEA, DIZZINESS AND LOSS OF COORDINATION ARE SIGNS THAT SOLVENT LEVELS ARE TOO HIGH. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

NATIONAL TOXICOLOGY PROGRAM: No

I.A.R.C. MONOGRAPHS: No

OSHA: No

OSHA PERMISSIBLE EXPOSURE LIMIT: See Section 2

ACGIH THRESHOLD LIMIT VALUE: See Section 2

OTHER EXPOSURE LIMIT USED: None

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If not breathing, give mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. EYES: Flush with flowing water immediately and continuously for 15 minutes. Consult medical personnel. SKIN: Wash off in flowing water or shower. Remove contaminated clothing and wash before reuse. If irritation persists, call a physician. INGESTION: Do not induce vomiting. Call a physician immediately.

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SECTION 6 - SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION: NIOSH or Bureau of Mines approved organic vapor-type respirator is required in absence of proper environmental control.

VENTILATION:

LOCAL EXHAUST: To keep below TLV

MECHANICAL (General): To keep below TLV

SPECIAL: None

OTHER: None

PROTECTIVE GLOVES: Solvent resistant gloves - impervious gloves

EYE PROTECTION: Safety glasses or goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None reasonably foreseeable.

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SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store above 120 deg. F. Avoid breathing vapors. Avoid prolonged or repeated contact with skin.

OTHER PRECAUTIONS: Extremely flammable. Do not use or store near open flames, heat, or any sources of ignition. Contents under pressure. Do not puncture or incinerate. Vapors are heavier than air and will collect in low areas.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILLS: Remove ignition sources. Mop up, wipe up, or soak up immediately. Use proper protective equipment. LARGE SPILLS: Evacuate area. Remove ignition sources. Contain liquid; transfer to closed containers; keep out of water supplies.

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State, and Local regulations. Do not incinerate closed or empty containers.

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SECTION 8 – NFPA HAZARD RATINGS

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Health = 2 Flammability = 4 Reactivity = 0

Section 9 - Other Information

TRANSPORTATION INFORMATION – DOMESTIC GROUND

Shipping Name: Consumer Commodity

Hazard Class: ORM-D

UN Number: N/A

Packing Group: N/A

Hazard Label: None

Carton Marking: Consumer Commodity, ORM-D

NFPA HAZARD RATINGS Health = 2 Flammability = 4 Reactivity = 0