



# SAFETY DATA SHEET

## OPTIBLANC NL

Revision Number 2.0  
Revision Date 09/11/2015  
Print Date 09/11/2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Identifier

Product Name : OPTIBLANC NL

#### 1.2 Recommended use(s) and restrictions

Product use : Optical brightener - manufacture of substances

Restrictions of use : No known restrictions

#### 1.3 Manufacturer / Supplier

3V INC.  
888 Woodstock Street  
Georgetown, South Carolina  
29440 USA  
Tel: (843) 546-8556  
Fax: (843)546-0007  
product.safety@3Vusa.com

#### Distributor

SILVER FERN CHEMICAL  
INC.  
2226 QUEEN ANNE AVE N  
SEATTLE, WA 98109 USA  
Tel: +1 (866) 282-3384  
Fax: +1 (206) 282-0105  
info@silverfernchemical.com

#### 1.4 Emergency Telephone Number

24 Hour Emergency Information : INFOTRAC: USA & Canada 1-800-535-5053

Outside USA & Canada 1-352-323-3500

### 2. HAZARD(S) IDENTIFICATION

#### 2.1 Classification of the substance or Mixture

#### 2.2 GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

This product is not classified as hazardous.

#### 2.3 GHS Label elements, including Precautionary Statements

This product is not subject to hazard labeling

Pictograms : ---

Signal word : ---



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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substance / Mixture

This product does not contain substances classified as hazardous according to OSHA criteria.  
No components are required to be disclosed according to applicable regulations.

### 4. FIRST AID MEASURES

#### 4.1 Description of First Aid Measures

- Inhalation : If breathing becomes difficult, move the subject to fresh air and give oxygen. If breathing has ceased, administer artificial air respiration. Seek medical attention.
- Skin : Remove contaminated clothing. Wash affected area(s) thoroughly with soap and water. Seek medical attention if an irritation develops / persists. Wash contaminated clothing before reusing.
- Eye Exposure : Flush eyes with water for at least 15 minutes. Hold eyelids open while rinsing. Seek medical attention.
- Ingestion : Rinse mouth with water. Do not induce vomiting unless advised to do so by a physician. Seek immediate medical attention. Never give anything by mouth to an unconscious person.
- 4.2 Most important symptoms and effects, both acute and delayed** : For symptoms and effects caused by the contained substances, please refer to sections 2 and 11.
- 4.3 Indication of immediate medical attention / special treatment needed** : Follow doctor's orders

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

- Suitable Extinguishing Media : Carbon dioxide, Dry chemical, Foam and Water spray
- Unsuitable Extinguishing Media : None in particular

#### 5.2 Special hazards arising from the Substance / mixture

- : Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

#### 5.3 Advice for fire-fighters

- Protective Equipment : Wear full protective fire gear including SCBA operated in the positive pressure mode when the potential for exposure to chemicals of combustion exists.
- Precautions for fire-fighters : Use water spray to cool unopened containers to prevent product decomposition and the development of substances potentially hazardous for health. Collect and dispose of contaminated water used to extinguish fire in accordance with regulations.



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### 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions / Protective Equipment / Emergency Procedures** : Respiratory protection is required if airborne exposure levels exceed industry standards.
- 6.2 Environmental Precautions** : Product must not penetrate storm drains, sewers, surface water, ground water or neighboring areas.
- 6.3 Methods and Materials for containment and clean-up :** : Absorb with sawdust, sand, vermiculite or similar inert substance. Collect in a suitable container with closed lid for disposal. Use jets of water to eliminate product residues. Dispose in accordance with federal, state and local waste management regulations.

### 7. HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling** : Avoid contact with skin, eyes and mucous membranes. Maintain good housekeeping practices. Dispose of packaging / containers in accordance with regulations.
- 7.2 Conditions for Safe Storage** : Store product in original containers with proper labeling. Container lid should be tightly sealed when not in use. Protect from frost. Store at room temperature (10-45 °C).
- 7.3 Incompatibilities** : No known incompatibilities under normal conditions.
- 7.4 Specific end use(s)** : No other specific uses are stipulated.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control Parameters** : Information not available
- Components with control parameters : If the permitted workplace exposure thresholds do not meet specifications, suitable respiratory protection must be worn.
- 8.2 Engineering Controls**
- Control Measures : Exhaust ventilation should be provided in the working environment to reduce airborne concentrations.
- 8.3 Personal Protective Equipment**
- Eye Protection : Chemical-protective goggle /face shield or a full face respirator mask.
- Skin Protection : Full length work apparel, apron and professional safety footwear.
- Hand Protection : Chemical-protective gloves.
- Respiratory Protection : Respiratory protection is not required.
- 8.4 Protective Equipment** : Eye wash / safety shower located within 25 feet of working area.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Basic physical and chemical properties

Appearance	: Liquid
Color	: Clear- brown
Odor	: Characteristic
Odor Threshold	: Not available
pH	: 9.0 – 10.5
Melting Point	: > 300 °C
Boiling Point	: Not available
Flash Point	: Not available
Flammability of solids and gases	: Not available
Lower Explosive limit	: Not available
Upper Explosive limit	: Not available
Vapor Pressure	: Not available
Vapor Density	: Not available
Specific Gravity	: 1.135-1.175 g/ml
Solubility	: Miscible with water
Partition coefficient: n-octanol/water	: - 3.50
Ignition Temperature	: Not available
Decomposition Temperature	: > 300 °C
Viscosity	: Not available
Reactive Properties	: Not available

### 10. STABILITY AND REACTIVITY

10.1 Reactivity	: There are no particular risks of reaction with other substances under normal conditions of use.
10.2 Chemical Stability	: Stable under recommended use / storage conditions.
10.3 Possibility of Hazardous Reactions	: There are no foreseeable hazardous reactions under normal conditions of use / storage.
10.4 Conditions to Avoid	: None with proper handling and storage.
10.5 Incompatible Materials	: Information not available.
10.6 Hazardous Decomposition Products	: In the event of thermal decomposition or fire, potentially dangerous vapors may be released.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Acute Toxicity

LD50 (Oral / rat)	: > 5000 mg/kg (OECD 423)
LD50 (Dermal / rat)	: > 2000 mg/kg (OECD 402)
LC50 (Inhalation / rat / 4h)	: > 1895 mg/m <sup>3</sup> air
Skin irritation (rabbit)	: Non-Irritating (OECD 404)
Eye irritation (rabbit)	: Non-Irritating (OECD 405)
Skin Sensitization (guinea pig)	: Not a sensitizer (OECD 406)



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### 11. TOXICOLOGICAL INFORMATION (continued)

Mutagenicity (Ames Test) : Non mutagenic (OECD 471)

"In-vivo" Test -  
Chromosomal aberration (Oral / mouse) : Negative (OECD 478)

Carcinogenicity : Not carcinogenic upon feeding to rats.

- *Not photocarcinogenic upon skin painting of mice.*

- *No tumor-promoting potential on 8-methoxypsoralen-induced carcinogenicity.*

Two studies revealed no evidence of teratogenicity in rats / rabbits:

Rat study (maternal and fetal toxicity) : NOAEL = 1000 mg/kg bw/day (GLP-compliant OECD 414 studies)

Rabbit study (maternal and fetal toxicity) : NOAEL = 100 mg/kg bw/day (GLP-compliant OECD 414 studies)

### 12. ECOLOGICAL INFORMATION

Use this product according to good working practices. Do not discharge into the environment.

#### 12.1 Environmental Toxicity

*Data refers to the active ingredient (FWA)*

##### Acute Toxicity

IC50 (72h) : > 100 mg/l Pseudokirchnerella Subcapitata

EC50 (48h) : > 100 mg/l Daphnia Magna

#### 12.2 Persistence and Degradability

Photodegradation in surface waters : The substances in the stilbene fluorescent whitening agent category will be effectively degraded by photochemical processes.

Biodegradability : Stilbene fluorescent whitening agents were neither readily nor inherently biodegradable in available studies.

#### 12.3 Bio-accumulative potential

: Available studies demonstrate that the bioaccumulation potential for the substances belonging to this category are negligible. Accumulation of these substances in organisms is not expected.

#### 12.4 Mobility in Soil

: Information not available

#### 12.5 Results of PBT and vPvB Assessment

: According to the Hazard Assessment, there is no indication that these substances are dangerous to the environment, nor are they PBT / vPvB

#### 12.6 Other Adverse Effects

: No evidence

*This product has been classified according to the annex 3 of the German regulation VwVwS:  
Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe - VwVwS): WGK = 1.*



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### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste Treatment Methods

Dispose of waste and residues in accordance with federal, state and local requirements.  
Contact the nearest EPA office for guidance if necessary.

### 14. TRANSPORT INFORMATION

This product is not dangerous under current provisions of the United States Department of Transportation (DOT), International Maritime Dangerous Goods Code (IMDG) and the International Air Transport Association (IATA).

US DOT	:	Not Regulated (Not dangerous goods)
IMGD	:	Not Regulated (Not dangerous goods)
IATA	:	Not Regulated (Not dangerous goods)

### 15. REGULATORY INFORMATION

#### Global Chemical Inventories

*All components comprised in this product are listed on the following inventories.*

United States	(TSCA)
EU	(REACH)
Australia	(AICS)
Canada	(DSL)
China	(IECSC)
Japan	(ENCS)
Korea	(ECL)
New Zealand	(NZIoC)
Philippines	(PICCS)
Taiwan	(NECI)
ASIA-PAC	

#### State Regulations

California Proposition 65	:	Not listed
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#### U.S. Federal Regulations

CERCLA Reportable Quantity (lbs.)	:	Not listed
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### 16. OTHER INFORMATION

#### NFPA Rating

Health Hazard	:	(1)
Fire Hazard	:	(1)
Reactivity Hazard	:	(0)



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24 Hour Emergency Response Information

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Outside USA & Canada 1-352-323-3500

The statements made herein are intended to provide product safety information. This safety data sheet has been prepared with information currently available. Although care has been taken to provide accurate information, no warranties either expressed or implied are being made as a result of this information.