

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94414 Solvent Blue 67

Page 1

Revised edition: 09.02.2024

Version: 3.1

Printed: 16.02.2024

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Solvent Blue 67

Article No.: 94414

UFI: --

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Coloring component

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.com

E-Mail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

This product is capable of dust explosion under certain

next page: 2

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94414 Solvent Blue 67

Page 2

Revised edition: 09.02.2024

Version: 3.1

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circumstances.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Copper phthalocyanine dye, C.I. Solvent Blue 67
REACH Reg. No. 01-2119977091-36-0000

Information on Components / Hazardous Ingredients:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes.

After inhalation:

Supply fresh air.

In case of complaints consult a physician.

After skin contact:

Wash with soap and rinse with plenty of water.

Remove contaminated clothing.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

After ingestion:

Rinse mouth with water and drink plenty of water.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

No further information available.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Extinguishing powder, foam.

Unsuitable extinguishing media:

Carbon dioxide (CO₂)

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: hazardous vapors may be released. Development

next page: 3

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94414 Solvent Blue 67

Page 3

Revised edition: 09.02.2024

Version: 3.1

Printed: 16.02.2024

of fumes/aerosol.

In case of fire: formation of carbon and nitrogen oxides, sulfur oxides, toxic gases/vapors.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Avoid formation of dust: risk of dust explosion.

Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing.

6.2. Environmental Precautions

Environmental precautions:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Small spills:

Clean up with suitable appliance and dispose adequately.

Large spills:

Clean up mechanically. Avoid dust formation.

6.4. Reference to other Sections

Protective clothing, see Section 8.

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Respiratory protection when handling without exhaust system.

Avoid contact with eyes, skin and clothing.

Avoid formation of dust. Do not inhale dust.

Hygienic measures:

Do not eat or drink during work. Do not smoke.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Requirements for storage areas and containers:

Store the product in the original container.

Information on fire and explosion

next page: 4

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94414 Solvent Blue 67

Page 4

Revised edition: 09.02.2024

Version: 3.1

Printed: 16.02.2024

protection:

*Avoid dust formation. Protect against electrostatic charging.
Do not store together with ignitable sources, heat and fire.
Dust explosion class 1 (Kst-value > 0 - 200 bar m/s).*

Storage class:

11; Combustible solids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

See Section 1.2.; no other uses provided

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

none known

Parameters to be controlled:

Derived No-Effect Level (DNEL):

10 mg/m³ (worker, inhalation, long-term exposure - local effects)

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

Suitable respiratory protection for lower concentration or short-term effect: particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, type P2 or FFP2).

Hand protection:

Not required

Protective glove material:

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Environmental precautions:

Avoid contamination of sewage system, open water ways and

next page: 5

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94414 Solvent Blue 67

Page 5

Revised edition: 09.02.2024

Version: 3.1

Printed: 16.02.2024

ground water.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form:	<i>powder</i>
Color:	<i>blue</i>
Odor:	<i>odorless</i>
Odor threshold:	<i>no information available</i>
pH-Value:	<i>5.5 - 8.5 (Suspension)</i>
Melting temperature:	<i>> 216°C</i>
Boiling temperature:	<i>not applicable</i>
Flash point:	<i>not applicable</i>
Evaporation rate:	<i>This product is a non-volatile solid.</i>
Flammability (solid, gas):	<i>not highly flammable</i>
Upper explosion limit:	<i>no information available</i>
Lower explosion limit:	<i>no information available</i>
Vapor pressure:	<i>not applicable</i>
Vapor density:	<i>This product is a non-volatile solid.</i>
Density:	<i>1.398 g/cm³ (20°C; OECD 109)</i>
Solubility in water:	<i>< 0.18 mg/l (20°C; OECD 105)</i>
Coefficient of variation (n-Octanol/Water):	<i>0.72 logKOW (23°C)</i>
Auto-ignition temperature:	<i>420°C (788°F)</i>
Decomposition temperature:	<i>> 280°C</i>
Viscosity, dynamic:	<i>not applicable</i>
Explosive properties:	<i>Product does not present an explosion hazard.</i>
Oxidizing properties:	<i>not oxidizing</i>
Bulk density:	<i>ca. 333 kg/m³ (20°C)</i>

next page: 6

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94414 Solvent Blue 67

Page 6

Revised edition: 09.02.2024

Version: 3.1

Printed: 16.02.2024

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

Self-heating ability: This product is not a self-heating substance according to the UN class 4.2 (UN Test N.4)

Minimum ignition energy: The product is capable of dust explosion.

Surface tension: Based on chemical structure, surface activity is not to be expected.

10. Stability and Reactivity

10.1. Reactivity

No decomposition if used according to specifications.

Formation of flammable gases: forms no flammable gases in the presence of water.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Risk of dust explosion.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid formation of dust.

Avoid ignition sources.

Thermal decomposition:

see section 9

10.5. Incompatible Materials

Strong acids, strong bases and strong oxidizing agents.

10.6. Hazardous Decomposition Products

Carbon oxides, nitrogen oxides, sulfuric oxide, toxic fumes/vapors.

10.7. Further Information

Corrosion of metals: not corrosive.

11. Toxicological Information

11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

LD50, oral:

> 10000 mg/kg (rat; OECD 401)

Not toxic after single oral exposure.

LD50, dermal:

not determined

next page: 7

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94414 Solvent Blue 67

Page 7

Revised edition: 09.02.2024

Version: 3.1

Printed: 16.02.2024

LC50, inhalation:

not determined

Primary effects

Irritant effect on skin:

Non irritating (rabbit; OECD 404)

Irritant effect on eyes:

Non-irritating to eyes (rabbit; OECD 405)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Non sensitizing (OECD 429, Mouse Local Lymph Node Assay (LLNA))

Mutagenicity:

Product does not show a mutagenic effect in a test with bacteria.

Reproductive toxicity:

*Animal studies showed no adverse effect on the fertility.
The results were determined in a Screening test (OECD 421/422).*

Carcinogenicity:

No relevant data found.

Teratogenicity:

No indications of a developmental toxic / teratogenic effect were seen in animal studies. The results were determined in a Screening test (OECD 421/422).

Specific target organ toxicity (STOT):

Single exposure: the substance or mixture is not classified as specific target organ toxicant.

Repeated exposure: the repeated oral intake of the substance did not cause any effects.

Aspiration hazard:

Not applicable

11.2. Information on other Hazards

No further information available.

12. Ecological Information

12.1. Aquatic Toxicity

Not hazardous for aqueous organisms.

Controlled release of small amounts of product in biological sewage system do not cause disorders of the biodegradability of activated sludge.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

next page: 8

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94414 Solvent Blue 67

Page 8

Revised edition: 09.02.2024

Version: 3.1

Printed: 16.02.2024

Algae toxicity:

12.2. Persistency and Degradability

Inorganic product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

Not readily biodegradable.

Elimination information: 0 % CO₂-formation relative to the theoretical value (28d; OECD 301B; aerob. activated sludge)

Assessment of stability in water: no hydrolysis is expected on the basis of the structure.

12.3. Bioaccumulation

Significant accumulation in organisms is not to be expected.

12.4. Mobility

Adsorption to solid soil phase is not expected.

12.5. Results of PBT- und vPvP Assessment

According to Annex VIII to Regulation (EC) No. 1907/2006 (REACH): this product is neither a PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative/very toxic) substance nor does it contain a PBT or vPvB substance.

12.6. Endocrine Disrupting Properties

No data available.

12.7. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Do not let run into surface waters, waste water or soil.

Behaviour in sewage systems:

No impairment of the biodegradability of active sludge expected when small amounts are discharged in biological sewage plants.

Further ecological effects:

The product does not contain any substances which can deplete the ozone layer, according to Regulation (EC) 1005/2009

The product contains copper bound as a complex.

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

In accordance with current regulations, product may be taken to a waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

European Waste Code (EWC):

Uncleaned packaging:

Non-contaminated packaging may be recycled.

Contaminated packaging must be disposed like the substance.

Waste Code No.:

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94414 Solvent Blue 67

Page 9

Revised edition: 09.02.2024

Version: 3.1

Printed: 16.02.2024

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

None

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Maritime Transport in Bulk according to IMO Instruments

not applicable

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (German Regulation)

Local regulations on chemical accidents:

next page: 10

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94414 Solvent Blue 67

Page 10

Revised edition: 09.02.2024

Version: 3.1

Printed: 16.02.2024

Does not underlie the Accident Ordinance.

Employment restrictions:

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable

Technical instructions on air quality:

5.2.5.: Organic gases

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this product.

15.3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable

Regulation on Persistent Organic Pollutants (POP): not listed

Listed in the following inventories:

TSCA (US), AIC (AUS), DSL (CA), CSCL (JP), KECI (KR), PICCS (PH), NZIoC (NZ), IECSC (CN), TSCI (TW), TR

VOC Content: 0 %

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.