



Safety Data Sheet

Safety Data Sheet dated 5/3/2021, version 2 Edition 2

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: J-NEXT SUBLY ABSOLUTE BLACK

Other means of identification:

Trade code: JXS65405AK1.0LW

Recommended use of the chemical and restrictions on use

Recommended use:

Digital printing ink

Restrictions on use:

All those who are not listed in the recommended uses

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

JK Group USA, Inc.

106 Industrial Park Dr.

Soddy-Daisy, TN 37379

Phone +1 (423) 486-9376

Fax +1 (423) 486-9387

Competent person responsible for the safety data sheet:

safety@j-k-group.com

Emergency phone number

For Chemical Emergency ONLY:

Call 3E Company Hotline at 1-800-451-8346 (24/7/365)

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

⚠ Warning, Skin Sens. 1A, May cause an allergic skin reaction.

Label elements

Hazard pictograms:



Warning

Hazard statements:

H317 May cause an allergic skin reaction.

Precautionary statements:

P261 Avoid breathing vapours.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/clothing and eye/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

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None
Ingredient(s) with unknown acute toxicity:
None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 1% - < 2.5% C.I. Disperse Blue 360

REACH No.: 01-2119891303-38-0001, CAS: 70693-64-0, EC: 435-600-5

⚠ A.4.2/1A Skin Sens. 1A H317

⚠ B.7/1 Flam. Sol. 1 H228

>= 0.002% - < 0.25% 2-methyl-2H-isothiazol-3-one

CAS: 2682-20-4, EC: 220-239-6

⚠ A.1/3/Dermal Acute Tox. 3 H311

⚠ US-HAE/C1 Aquatic Chronic 1 H410 M=1.

⚠ A.1/3/Oral Acute Tox. 3 H301

⚠ A.1/2/Inhal Acute Tox. 2 H330

⚠ A.2/1B Skin Corr. 1B H314

⚠ A.3/1 Eye Dam. 1 H318

⚠ US-HAE/A1 Aquatic Acute 1 H400 M=10.

⚠ A.4.2/1A Skin Sens. 1A H317

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

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Do not inhale explosion and combustion gases.
 Burning produces heavy smoke.
 Hazardous combustion products:
 None
 Explosive properties: not applicable
 Oxidizing properties: not applicable
 Special protective equipment and precautions for fire-fighters
 Use suitable breathing apparatus .
 Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
 Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures
 Wear personal protection equipment.
 Remove persons to safety.
 See protective measures under point 7 and 8.
 Methods and materials for containment and cleaning up
 Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling
 It's recommended to intervene, through a ventilation system, to the safe removal of all the vapors emitted during the printing process and, through an aspiration system , to the safe removal of all the vapors emitted during the transfer process, as required by the good industrial practices.
 See also section 8 for recommended protective equipment.
 Advice on general occupational hygiene:
 Contaminated clothing should be changed before entering eating areas.
 Do not eat or drink while working.
 Conditions for safe storage, including any incompatibilities
 Keep away from food, drink and feed.
 Incompatible materials:
 None in particular.
 Instructions as regards storage premises:
 Adequately ventilated premises.
 Storage temperature:
 Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
 No occupational exposure limit available
 DNEL Exposure Limit Values
 C.I. Disperse Blue 360 - CAS: 70693-64-0
 Worker Professional: 13.3 mg/m³ - Consumer: 6.5 mg/m³ - Exposure: Human Inhalation -
 Frequency: Long Term, systemic effects
 Worker Professional: 2.5 mg/kg bw/day - Consumer: 1.25 mg/kg bw/day - Exposure:
 Human Dermal - Frequency: Long Term, systemic effects
 PNEC Exposure Limit Values
 C.I. Disperse Blue 360 - CAS: 70693-64-0
 Target: Fresh Water - Value: 0.1 mg/l
 Target: Marine water - Value: 0.1 mg/l
 Appropriate engineering controls:

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None

Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

The protective gloves to be used must comply with the specifications of the Regulation (EU) 2016/425 and the standard UNI EN ISO 374. We recommend the use of nitrile rubber gloves, minimum thickness 0.11mm, breakthrough time > 480min.

Before use, check that the protective gloves are not damaged by cuts, holes or tears.

This indication only applies to the product identified in the SDS.

If the product is dissolved and / or mixed with other substances in conditions other than those established by EN 374, please contact the glove supplier.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Appearance:	liquid	--	--
Colour:	black	--	--
Odour:	mild	--	--
Odour threshold:	not available	--	--
pH:	7-9	--	@ 25°C
Melting point / freezing point:	not available	--	--
Initial boiling point and boiling range:	> 100 °C / 212 °F	--	--
Flash point:	>130°C / >266°F	--	--
Evaporation rate:	not available	--	--
Solid/gas flammability:	not applicable	--	--
Upper/lower flammability or explosive limits:	not available	--	--
Vapour pressure:	not available	--	--
Vapour density:	not available	--	--
Relative density:	1.093	--	@ 25°C

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Solubility in water:	soluble	--	--
Solubility in oil:	not available	--	--
Partition coefficient (n-octanol/water):	not available	--	--
Auto-ignition temperature:	not available	--	--
Decomposition temperature:	not available	--	--
Viscosity:	4 - 5 cPs	--	@ 25°C
Miscibility:	miscible	--	--
Fat Solubility:	not available	--	--
Conductivity:	5190 - 6340 μ S/cm	--	@ 25°C
Substance Groups relevant properties	not available	--	--

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

None

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

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a) acute toxicity

Not classified

Based on calculation method, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on calculation method, the classification criteria are not met

c) serious eye damage/irritation

Not classified

Based on calculation method, the classification criteria are not met

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1A H317

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- e) germ cell mutagenicity
Not classified
Based on calculation method, the classification criteria are not met
- f) carcinogenicity
Not classified
Based on calculation method, the classification criteria are not met
- g) reproductive toxicity
Not classified
Based on calculation method, the classification criteria are not met
- h) STOT-single exposure
Not classified
Based on calculation method, the classification criteria are not met
- i) STOT-repeated exposure
Not classified
Based on calculation method, the classification criteria are not met
- j) aspiration hazard
Not classified
Based on calculation method, the classification criteria are not met

Toxicological information of the main substances found in the product:

C.I. Disperse Blue 360 - CAS: 70693-64-0

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: ECHA - Notes: OECD 402

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg - Source: ECHA - Notes: OECD 423

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Source: ECHA

c) serious eye damage/irritation:

Test: Eye Irritant - Route: eye Negative - Source: ECHA - Notes: OECD 492

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Mouse Positive - Source: ECHA - Notes: OECD 429

2-methyl-2H-isothiazol-3-one - CAS: 2682-20-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 120 mg/kg bw - Source: ECHA - Notes: EPA OPPTS 870.1100, female rats

Test: LD50 - Route: Oral - Species: Rat 232 mg/kg bw - Source: ECHA - Notes: EPA OPPTS 870.1100, male rats

Test: LC50 - Route: Inhalation - Species: Rat 0.354 mg/l - Source: ECHA - Notes: OECD 403

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg bw - Source: ECHA - Notes: OECD 402

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Positive - Source: ECHA - Notes: OECD 404

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Mouse Positive - Source: ECHA - Notes: OECD 429

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

Substance(s) listed as OSHA Carcinogen(s):

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None.
 Substance(s) listed as NIOSH Carcinogen(s):
 None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards

Based on calculation method, the classification criteria are not met

C.I. Disperse Blue 360 - CAS: 70693-64-0

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae > 0.1 mg/l - Duration h: 72 - Notes: ECHA

Desmodesmus subspicatus OECD 201

Endpoint: NOEC - Species: Algae > 0.003 mg/l - Duration h: 72 - Notes: ECHA

Desmodesmus subspicatus OECD 201

Endpoint: EC50 - Species: Daphnia > 0.1 mg/l - Duration h: 48 - Notes: ECHA Daphnia magna OECD 202

Endpoint: NOEC - Species: Daphnia > 0.009 mg/l - Duration h: 48 - Notes: ECHA

Daphnia magna OECD 202

Endpoint: LC50 - Species: Fish > 0.1 mg/l - Duration h: 96 - Notes: ECHA Onchorhynchus mykiss OECD 203

Endpoint: NOEC - Species: Fish > 0.017 mg/l - Duration h: 96 - Notes: ECHA

Onchorhynchus mykiss OECD 203

c) Bacteria toxicity:

Endpoint: EC50 - Species: Active sludges > 1000 mg/l - Duration h: 3 - Notes: ECHA OECD 209

Endpoint: NOEC - Species: Active sludges > 1000 mg/l - Duration h: 3 - Notes: ECHA OECD 209

2-methyl-2H-isothiazol-3-one - CAS: 2682-20-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 4.77 mg/l - Duration h: 96 - Notes: OECD 203 -

Oncorhynchus mykiss

Endpoint: NOEC - Species: Fish 2.1 mg/l - Duration h: 672 - Notes: OECD 210 -

Pimephales promelas

Endpoint: CE50 - Species: Active sludges 34.6 mg/l - Duration h: 3

Endpoint: CE50 - Species: Active sludges 2.8 mg/l - Duration h: 3

b) Aquatic chronic toxicity:

Endpoint: EC50 - Species: Daphnia 1.68 mg/l - Duration h: 48 - Notes: OECD 201 - Daphnia magna

Endpoint: NOEC - Species: Daphnia 0.55 mg/l - Duration h: 576 - Notes: OECD 211 - Daphnia magna

e) Plant toxicity:

Endpoint: EC50 - Species: Algae 0.157 mg/l - Duration h: 72 - Notes: OECD 201 - Pseudokirchneriella subspicata

Endpoint: NOEC - Species: Algae 0.03 mg/l - Duration h: 72 - Notes: OECD 201 - Pseudokirchneriella subspicata

Persistence and degradability

C.I. Disperse Blue 360 - CAS: 70693-64-0

Biodegradability: Non-readily biodegradable

2-methyl-2H-isothiazol-3-one - CAS: 2682-20-4

Biodegradability: Readily biodegradable

Bioaccumulative potential

2-methyl-2H-isothiazol-3-one - CAS: 2682-20-4

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Bioaccumulation: Not bioaccumulative
 Mobility in soil
 N.A.
 Other adverse effects
 None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods
 Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

UN number
 ADR-UN number: not applicable
 IATA-Un number: not applicable
 IMDG-Un number: not applicable
 UN proper shipping name
 ADR-Shipping Name: not applicable
 IATA-Shipping Name: not applicable
 IATA-Technical name: not applicable
 IMDG-Shipping Name: not applicable
 IMDG-Technical name: not applicable
 Transport hazard class(es)
 ADR-Class: not applicable
 ADR-Label: not applicable
 IATA-Class: not applicable
 IATA-Label: not applicable
 IMDG-Class: not applicable
 IMDG-Label: not applicable
 Packing group
 ADR-Packing Group: not applicable
 IMDG-Packing group: not applicable
 Environmental hazards
 ADR-Enviromental Pollutant: No
 IMDG-Marine pollutant: No
 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
 ADR-Transport category (Tunnel restriction code): not applicable
 Rail (RID): not applicable
 IATA-Cargo Aircraft: not applicable
 Special precautions
 N.A.

15. REGULATORY INFORMATION

USA - Federal regulations
 TSCA - Toxic Substances Control Act
 TSCA inventory: all the components are listed
 on the TSCA inventory
 SARA - Superfund Amendments and Reauthorization Act
 Section 302 - Extremely Hazardous Substances:
 No substances listed
 Section 304 - Hazardous substances:
 No substances listed

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Section 313 - Toxic chemical list:

No substances listed

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed

CAA - Clean Air Act

CAA listed substances:

No substances listed

CWA - Clean Water Act

CWA listed substances:

No substances listed

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

- Listed as carcinogen

No substances listed

- Listed as reproductive toxicant

No substances listed

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

Name	CAS
Glycerol	56-81-5

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

Name	CAS
Glycerol	56-81-5

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

Name	CAS
Glycerol	56-81-5
2,2' -oxybisethanol; diethylene glycol	111-46-6

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H317 May cause an allergic skin reaction.

H228 Flammable solid.

H311 Toxic in contact with skin.

H410 Very toxic to aquatic life with long lasting effects.

H301 Toxic if swallowed.

H330 Fatal if inhaled.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

Safety Data Sheet dated 3/5/2021, version 2

Sections modified from the previous revision:

2. HAZARD(S) IDENTIFICATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

7. HANDLING AND STORAGE

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

9. PHYSICAL AND CHEMICAL PROPERTIES

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

14. TRANSPORT INFORMATION

15. REGULATORY INFORMATION



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Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average