

Material Safety Data Sheet

According to regulation 1907/2006/EG (REACH)

Black Label

Version: 1.0 / EN
Revised: November 30, 2024



Printed: 30.01.2025



Section 1: Chemical Product and Company Identification

Name of the mixture: Black Label

Application of the mixture: Industrial Solvent Inkjet Ink 45si cartridge

Company name: Novidi GmbH
Rathausgasse 5
12529 Schoenefeld - GERMANY

Technical information: Thomas Fox
Phone: +49 (30) 7543 7985
Email: sales@coex.supply

Section 2: Hazards Identification

Classification and labelling of the of mixture:

According to regulation EG No. 1272/2008 [CLP]

Hazard Statements	
H225	Highly flammable liquid and vapor
H319	Highly flammable liquid and vapor
	Causes serious eye irritation
H336	May cause drowsiness and dizziness
H411	Toxic to aquatic organisms, with long-term effect
	Special hazard warnings for humans and the environment: narcotic effect

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Precautionary Statements	
P210	Keep away from heat / sparks / open flames / hot surfaces. Do not smoke
P233	Keep container tightly closed
P243	Take precautionary measures against electrostatic charges
P261	Avoid breathing dust / fume / gas / mist / vapor / spray
P264	After use, wash thoroughly with soap and water
P271	Use only outdoors or in well-ventilated areas.
P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection / face protection
P303+P353+P361	IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing
	Wash skin with water / shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P338+P351	IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if possible. Continue rinsing
P312	If you feel unwell, call a POISON CENTER or physician
P403+P235	Keep cool in a well-ventilated place
P405	Keep locked up

Label elements

GHS label elements

The substance is classified and labeled according to GHS (Globally Harmonized System).

hazard pictograms



GHS 02



GHS 07



GHS 09

Signal word DANGER

Other hazards

Chemicals are inherently dangerous. Therefore only to be handled by trained personnel with the necessary care.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Charakterisation:

Flammable Liquid of solvents, dyes and additives.

Hazardous Components

Name	CAS-No. EG-No.	Content (weight.-%)	Classification / Labelling	
			Hazard pictograms	Hazard statements
Ethanol	64-17-5 200-578-6	80-90%	 	H 225 H 319
co-solvents	trade secret	<10%	 	H225 H319 H336
Solvent Black 29		5-10%		H411

SECTION 4: FIRST AID MEASURES

General information: Remove contaminated clothing.
If a physician is consulted, please show this safety data sheet



After inhalation: Provide fresh air. If symptoms persist consult a physician

After skin contact: Wash affected areas carefully with a mild soap and water
If irritation develops or persists, consult a physician

After eye contact: Do not rub eyes. Rinse immediately with plenty of pure lukewarm water
If irritation develops or persists, consult an ophthalmologist

Ingestion: Rinse mouth as soon as possible
If larger amounts have been swallowed, consult a physician

Most important symptoms and effects, both acute and delayed

Headache, dizziness, dilation of pupils, nausea, excitement

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SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing agents:

- Match fire extinguishing measures to the environment
- CO₂, extinguishing powder, water spray, foam

For safety reasons unsuitable extinguishing agents:

- There are no extinguishing agent limitations for this substance / mixture

Special hazards arising from the substance or mixture:

- May form explosive mixtures with air when heated
- In case of fire development of hazardous combustion gases and vapors possible
- In case of fire Carbon monoxide and carbon dioxide can be released

Advice for firefighters

- Wear self-contained breathing apparatus. Wear full protective suit

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment in a case of emergency method to be used

- Do not inhale vapors
- Avoid skin and eye contact
- Remove all sources of ignition
- Ensure adequate ventilation.
- Wear personal protective equipment

Environmental precautions

- Do not empty into drains / groundwater / soil

Procedure for cleaning / absorption:

- Absorb with absorbent material
- Wash off with water

Methods and material for containment and cleaning

- Absorb with liquid-binding material
- □ Dispose the captured material properly
- Dispose contaminated material as waste according to section 13

Reference to other sections

- For information on safe handling see section 7
- See section 8 for personal protection information
- Information on disposal, see section 13

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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

- Keep container tightly closed
- Ensure good ventilation / exhaustion at the workplace
- Remove all sources of ignition



Storage:

Requirements for storerooms and containers:

- Keep only in the original container. Keep away from any source of ignition

Storage instructions if combined with other goods:

- Store away from food

Further information on the storage conditions:

- Store in cool, dry conditions in tightly closed containers

Recommended storage temperature:

- 4-25 °C

Handling:

- Avoid any contact with eye, avoid skin contact, avoid inhalation
- Don't eat, drink or smoke during handling
- Keep safe distance to any source of ignition

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Ethanol; EG-No.: 200-578-6; CAS-No.: 64-17-5

Air limit values

AGW (DE): 960mg/m³, 500ml/m³; 2(II); DFG, Y: A risk of fetal damage does not need to be considered if the occupational exposure limits (AGW) and the biological limit value (BGW) are not exceeded.

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Limitation and monitoring of exposure

General protection and hygiene measures:

- Keep away from food, drinks and animal feed.
- Take off dirty, soaked clothes immediately.
- Wash hands before breaks and at the end of work.
- Avoid contact with eyes and skin.

Individual protection measures

- Depending on the concentration and quantity of hazardous substances, body protection products must be selected specifically for the workplace
- The chemical resistance of the protective agents should be clarified with their suppliers

Respiratory protection (only required if ventilation is insufficient):

- Required if vapors / aerosols are generated. Gas filter A (color code brown)

Personal protective equipment:

Hand protection:

- Protective gloves
- Check protective gloves for proper condition before each use
- The glove material has to be impermeable and resistant to the substances contained
- Select the glove material considering the breakthrough times, permeation rates and the degradation



Glove material

- Butyl rubber ≥ 0.7 mm
- The selection of a suitable glove should not be made considering solely on the material, but also of other factors
- Quality characteristics vary from manufacturer to manufacturer

Breakthrough time of glove material

- > 240 min

Eye protection

- Tightly sealed goggles



Body protection:

- Protective clothing

General protection and hygiene measures:

- When dealing with chemicals or chemical preparations the usual precautionary measures are to be considered

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on the basic physical and chemical properties

General Information

- Physical State: Liquid
- Color: Black
- Odor: solvent
- Odor threshold: Not determined.

Change in condition

- Melting point / melting range: $<0\text{ }^{\circ}\text{C}$
- Boiling point / boiling range: $>35\text{ }^{\circ}\text{C}$

Flash point: $2\text{--}3\text{ }^{\circ}\text{C}$

Ignition temperature: approx. $500\text{ }^{\circ}\text{C}$

Decomposition temperature: Not determined.

Self-igniting: Not determined.

Explosion hazard: The product is not explosive.

Explosion limits:

- Lower: approx. 2 Vol%
- Upper: about 13% by volume

Oxidizing properties: No information available.

Vapor pressure at $20\text{ }^{\circ}\text{C}$: approx. 105 hPa

Density at $20\text{ }^{\circ}\text{C}$: 0.8 g / cm^3

Vapor density: Not determined

Evaporation rate: Not determined

Solubility in / miscibility with water: partially given

Viscosity (dynamic) at $20\text{ }^{\circ}\text{C}$: approx. 1.2 mPas

Kinematic: No information available

Surface tension: approx. 25mN / m at $25\text{ }^{\circ}\text{C}$

Other information: No further relevant information available

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SECTION 10: STABILITY AND REAKTIVITY

All information provided presume the intended usage!

Vapors may cause an explosive mixture with air

Conditions to avoid:

- Deviations from recommended storage conditions

Materials to avoid / Hazardous reactions in question:

- Strong bases, strong acids, strong oxidants, strong reducing agents

Possible dangerous reactions:

- No information available

Dangerous decomposition points:

- In case of fire, this product can release carbon dioxide, carbon monoxide, nitrogen oxides and low molecular weight hydrocarbons

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological tests for the product itself:

- Not available

Further details are based on the properties of the main ingredients:

Ethanol; EG-No.: 200-578-6; CAS-No.: 64-17-5

Acute oral toxicity LD50: (Rat): 7600 mg/kg

Acute inhalation toxicity LC50: (Rat): 4h, 20000mg/l

Solvent Black 29

Acute oral toxicity LD50: (Rat): >2.000 mg/kg

Acute dermal Toxicity LD50: (Rat): >2.000 mg/kg

Skin corrosion / irritation

- There are no data available for the preparation / mixture

Eye damage / irritation

- There are no data available for the preparation / mixture

Irritation of the respiratory tract

- There are no data available for the preparation / mixture

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Sensitisation

- There are no data available for the preparation / mixture

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

- There are no data available for the preparation / mixture

Specific target organ toxicity (single exposure)

- There are no data available for the preparation / mixture

SECTION 12: ECOLOGICAL INFORMATION

General ecological information:

- Do not allow to get into water, sewage or soil

Toxicity

Aquatic toxicity:

Fish toxicity / daphnia toxicity:

Ethanol; EG-No.: 200-578-6; CAS-No.: 64-17-5

Acute (short term) fish toxicity: lethal in 24h: 9000mg/l

Harmful Limit (small crustacean) 8700mg/l

TGK (bacteria): 6500mg/l

Solvent Black 29

Acute (short-term) fish toxicity

LC50: (fish): 2,0mg/kg

EC50: (Daphnia magna (Big water flea)): 1.000mg/l

EC50: (alga): >0,42mg/l

Persistence and degradability

- There is no data available for the mix.

Bioaccumulative Potential

- There is no data available for the mix

Mobility in the soil

- There is no data available for the mix

Results of PBT and vPvB assessment

- There is no data available for the mix

Other adverse effects

- No further relevant information available

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SECTION 13: DISPOSAL CONSIDERATIONS

All state and local laws according to place of usage must be observed.

Waste code 08 01 11

- Paint and varnish waste, containing organic solvents or other hazardous substances

Waste code 15 01 02

- Plastic packaging

Waste treatment method

Recommendation:

- The product and its container should be disposed of as hazardous waste.
- The disposal is regulated differently in countries and municipalities;
- kind of disposal is to be inquired with local authorities or authorized disposal company

Uncleaned packaging:

Recommendation:

- Disposal according to official local regulations

Recommended cleaning agent:

- Ethanol 70%, if necessary with the addition of cleaning agents

SECTION 14: TRANSPORT INFORMATION

UN-Number 1210 - PRINTING INK

- Acc.to ADR/RID/GGVSEB (road)
- Acc. to IMDG/GGVSee (sea)
- Acc. to ICAO/IATA (air)
- Keep away from food and drink
- Transport class 9
- Packing class 2

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SECTION 15: REGULATORY INFORMATION

EU and national regulations:

Not subject to

- 96/82 / EC (Major Accident Hazards),
- 2010/75 / EU (Industrial Emissions),
- 2004/42 / EC (VOC), StörfallVO, TA-Luft

Water hazard class:

- WGK 2 (list classification): hazardous to water

No chemical safety assessment available

SECTION 16: OTHER INFORMATION

- The information in this safety data sheet describes the safety requirements of our product and is based on the current state of our knowledge
- The information does not constitute an assurance of product characteristics and do not establish a contractual legal relationship
- Existing laws, ordinances and regulations, even those not mentioned in this data sheet, are to be observed by the recipient/user of our products under their own responsibility

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