

## JETFLUID SB 11028 Silver

Version 2.0      Revision Date: 05/30/2018      SDS Number: 102000023159      Date of last issue: -  
Date of first issue: 03/21/2018

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**SECTION 1. IDENTIFICATION**

Product name : JETFLUID SB 11028 Silver

Product code : 021726SK0

**Manufacturer or supplier's details**

Company name of supplier : ECKART GmbH

Address : Guentersthal 4  
Hartenstein 91235

Telephone : +499152770

Telefax : +499152777008

Emergency telephone number : CHEMTREC: 800-424-9300  
CHEMTREC: 1-703-527-3387 (International)

GBK Gefahrgut Buero GmbH, Ingelheim, Germany:  
From outside US: (001) 352-323-3500  
(First call in English, response in your language is possible)  
US & Canada (toll free):1-800-5355-053

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**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the Hazardous Products Regulations**

Flammable liquids : Category 3

Skin irritation : Category 2

Eye irritation : Category 2A

**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.

## JETFLUID SB 11028 Silver

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	05/30/2018	102000023159	Date of first issue: 03/21/2018

---

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

## Precautionary statements

: **Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P264 Wash skin thoroughly after handling.

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

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

## JETFLUID SB 11028 Silver

Version 2.0      Revision Date: 05/30/2018      SDS Number: 102000023159      Date of last issue: -  
 Date of first issue: 03/21/2018

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
1-Butanol, 3-methoxy-3-methyl-	56539-66-3	>= 20 - < 30
2-Propanol, 1-butoxy-	5131-66-8	>= 20 - < 30
2-ethoxy-1-methylethyl acetate	54839-24-6	>= 5 - < 10
Aluminum	7429-90-5	>= 1 - < 5

## SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.  
Causes serious eye irritation.

## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : High volume water jet

## JETFLUID SB 11028 Silver

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	05/30/2018	102000023159	Date of first issue: 03/21/2018

---

- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).  
Keep away from open flames, hot surfaces and sources of ignition.
- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.

**JETFLUID SB 11028 Silver**

Version 2.0      Revision Date: 05/30/2018      SDS Number: 102000023159      Date of last issue: -  
 Date of first issue: 03/21/2018

Smoking, eating and drinking should be prohibited in the application area.  
 Take precautionary measures against static discharges.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Open drum carefully as content may be under pressure.  
 Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : No smoking.  
 Keep container tightly closed in a dry and well-ventilated place.  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Observe label precautions.  
 Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Aluminum	7429-90-5	TWAEV	10 mg/m3	CA QC OEL
		TWA	10 mg/m3	CA AB OEL
		TWA (Respirable)	1 mg/m3	CA BC OEL
		TWA (Dust)	10 mg/m3	CA AB OEL
		TWAEV	10 mg/m3	CA QC OEL
		TWA (Respirable)	1 mg/m3 (Aluminium)	CA BC OEL
		TWAEV (Fumes)	5 mg/m3 (Aluminium)	CA QC OEL
		TWA (Respirable fraction)	1 mg/m3	ACGIH
		TWA (Respirable fraction)	1 mg/m3 (Aluminium)	ACGIH

## JETFLUID SB 11028 Silver

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	05/30/2018	102000023159	Date of first issue: 03/21/2018

---

**Personal protective equipment**

## Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid  
Colour : silver  
Odour : characteristic  
Odour Threshold : No data available  
pH : No data available  
Melting point/freezing point : No data available  
Initial boiling point and boiling range : No data available  
Flash point : 54 °C  
  
Evaporation rate : No data available  
Flammability (solid, gas) : No data available  
Upper explosion limit / Upper flammability limit : No data available  
Lower explosion limit / Lower flammability limit : No data available  
Vapour pressure : No data available  
Relative density : No data available  
Solubility(ies) : No data available  
Partition coefficient: n-octanol/water : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity : No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

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## JETFLUID SB 11028 Silver

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	05/30/2018	102000023159	Date of first issue: 03/21/2018

---

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.  
Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

**Components:****2-Propanol, 1-butoxy-:**

Acute oral toxicity : LD50 (Rat, male and female): 3,300 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 3.5 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

**Skin corrosion/irritation**

Causes skin irritation.

**Components:****2-Propanol, 1-butoxy-:**

Remarks: Moderate skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Components:****2-Propanol, 1-butoxy-:**

Result: Moderate eye irritation

**Respiratory or skin sensitisation****Skin sensitisation**

Not classified based on available information.

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## JETFLUID SB 11028 Silver

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	05/30/2018	102000023159	Date of first issue: 03/21/2018

---

**Respiratory sensitisation**

Not classified based on available information.

**Components:****2-Propanol, 1-butoxy-:**

Species: Guinea pig

Result: Does not cause skin sensitisation.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Further information**

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Other adverse effects**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Do not dispose of waste into sewer.



## JETFLUID SB 11028 Silver

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	05/30/2018	102000023159	Date of first issue: 03/21/2018

---

Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.  
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.  
In accordance with local and national regulations.

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**SECTION 14. TRANSPORT INFORMATION**
**National Regulations****TDG**

UN number : UN 1210  
Proper shipping name : PRINTING INK

Class : 3  
Packing group : III  
Labels : 3  
ERG Code : 129  
Marine pollutant : no

**International Regulations****IATA-DGR**

UN/ID No. : UN 1210  
Proper shipping name : Printing ink  
Class : 3  
Packing group : III  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

**IMDG-Code**

UN number : UN 1210  
Proper shipping name : PRINTING INK

Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-D  
Marine pollutant : no

## JETFLUID SB 11028 Silver

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	05/30/2018	102000023159	Date of first issue: 03/21/2018

---

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**SECTION 15. REGULATORY INFORMATION****NPRI Components** : Aluminum**The components of this product are reported in the following inventories:**

DSL : This product contains one or several components that are not on the Canadian DSL nor NDSL.

TSCA : On TSCA Inventory

**Canadian lists**

No substances are subject to a Significant New Activity Notification.

**SECTION 16. OTHER INFORMATION****Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
 CA AB OEL : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)  
 CA BC OEL : Canada. British Columbia OEL  
 CA QC OEL : Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants  
 ACGIH / TWA : 8-hour, time-weighted average  
 CA AB OEL / TWA : 8-hour Occupational exposure limit  
 CA BC OEL / TWA : 8-hour time weighted average  
 CA QC OEL / TWA EV : Time-weighted average exposure value

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population

## JETFLUID SB 11028 Silver

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	05/30/2018	102000023159	Date of first issue: 03/21/2018

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(Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Revision Date : 05/30/2018

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