

Safety Data Sheet

Specialty Black BKA

Revision Date: 05/17/2021

Version: 3

1. Identification

1.1. Product identifier

Product Identity Specialty Black BKA
Alternate Names Specialty Black BKA

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Dye used to color anodized aluminum.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name U.S. Specialty Color Corporation
5624 Cannon Drive
Monroe, NC 28110

Emergency

24 hour Emergency Telephone No. 1-800-424-9300

Customer Service: U.S. Specialty Color Corporation 704-292-1476

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Sens. 1;H317 May cause an allergic skin reaction.
Resp. Sens. 1;H334 May cause allergy or asthma symptoms of breathing difficulties if inhaled.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

H317 May cause an allergic skin reaction.

H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

[Prevention]:

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

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

P280 Wear protective gloves / eye protection / face protection.

P285 In case of inadequate ventilation wear respiratory protection.

Safety Data Sheet

Specialty Black BKA

Revision Date: 05/17/2021

Version: 3

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P313 Get medical advice / attention.

P321 Specific treatment (see information on this label).

P333+313 If skin irritation or a rash occurs: Get medical advice / attention.

P342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.

P363 Wash contaminated clothing before reuse.

[Storage]:

No GHS storage statements

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|----------|--|--------|
| Azo dyes CAS Number: Proprietary | 70- 100 | Not Classified | [1] |
| Acetic acid, sodium salt, trihydrate CAS Number: 6131-90-4 | 10 - 25 | Not Classified | [1] |
| Chromium compounds (as Cr (III)) CAS Number: 7440-47-3 | 1.0 - 5 | Skin Sens. 1;H317 Resp. Sens. 1;H334 Eye Irrit. 2;H319 Aquatic Chronic 4;H413 | [1][2] |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes

Immediately flush the eyes with large amounts of water for at least 15 minutes, alternately lifting the upper and lower eyelids. After 5 minutes, if appropriate, remove contact lenses and continue flushing the eyes for an additional 15 minutes. Call a physician at once.

Safety Data Sheet

Specialty Black BKA

Revision Date: 05/17/2021

Version: 3

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion Do not induce vomiting and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Overview Health effects of exposure:

Inhalation: Inhalation of dust may cause respiratory irritation. Chromium and certain compounds of chromium have been reported to cause damage to the lungs, resulting in cumulative damage.

Ingestion: May cause gastric disturbances.

Skin: May cause sensitization on repeated contact. Dermatitis has been reported from repeated contact with chromium compounds.

Eyes: Contact may cause irritation.

Chromium: The Department of Health and Human Services (DHHS), the International Agency for Research on Cancer (IARC), and the EPA have determined that the hexavalent form of chromium, chromium (VI), CAS# 18540-29-9 is a known human carcinogen. This compound is the trivalent form of chromium, and not the hexavalent form of chromium. See section 2 for further details.

Inhalation May cause allergy or asthma symptoms of breathing difficulties if inhaled.

Skin May cause an allergic skin reaction.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; CO₂, powder, water

5.2. Special hazards arising from the substance or mixture

Hazardous composition products: Burning may produce oxides of carbon, nitrogen and sulfur.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Unusual fire/explosion hazards: Organic dusts have potential to be explosive with static spark or flame initiation. Adequate ventilation and clean-up must be maintained to minimize dust accumulation.

Fire-fighters should wear appropriate equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Safety Data Sheet

Specialty Black BKA

Revision Date: 05/17/2021

Version: 3

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Wear prescribed protective equipment. Vacuum or sweep up material and place in a designated container immediately. Prevent run off to drains, sewers or other public waterways.

Waste material may be disposed of by a licensed waste facility contractor.

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes, skin, and clothing. Eating, drinking, and smoking should be prohibited in areas where this material is handled. Wash hands and face before eating, drinking, and smoking. Put on appropriate personal protective equipment (see section 8).

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Do not expose to friction or shock.

Incompatible materials: No data available.

Store in original container, in a cool, dry location. Close package tightly after removal of product. Avoid dust formation. Keep away from sources of ignition.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|-------------|--------------------------------------|----------|--|
| 6131-90-4 | Acetic acid, sodium salt, trihydrate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 7440-47-3 | Chromium compounds (as Cr (III)) | OSHA | TWA 1 mg/m ³ [*Note: The PEL also applies to insoluble chromium salts.] |
| | | ACGIH | TWA: 0.5 mg/m ³ (III) |
| | | NIOSH | TWA 0.5 mg/m ³ |
| | | Supplier | No Established Limit |
| Proprietary | Azo dyes | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |

Safety Data Sheet

Specialty Black BKA

Revision Date: 05/17/2021

Version: 3

| | | | |
|--|----------|--|----------------------|
| | Supplier | | No Established Limit |
|--|----------|--|----------------------|

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m3 (50 mppcf*) TWA, ACGIH 10 mg/m3.

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|-------------|--------------------------------------|--------|---|
| 6131-90-4 | Acetic acid, sodium salt, trihydrate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 7440-47-3 | Chromium compounds (as Cr (III)) | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| Proprietary | Azo dyes | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls

- Respiratory** An appropriate NIOSH approved respirator for dust should be worn. Use type N95 (US) or type P1 (EN 143) dust masks.
- Eyes** Wear safety glasses with side shields.
- Skin** Wear a rubber or plastic apron. Wear clothing suitable to avoid skin contact and clean after every shift. Wear impermeable rubber or plastic gloves.
- Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
- Other Work Practices** Eye wash fountain and emergency showers are recommended. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

| | |
|--|----------------|
| Appearance | Black Powder |
| Odor | Not Specified |
| Odor threshold | Not Measured |
| pH | Not Measured |
| Melting point / freezing point | Not Measured |
| Initial boiling point and boiling range | Not Measured |
| Flash Point | Not Measured |
| Evaporation rate (Ether = 1) | Not Measured |
| Flammability (solid, gas) | Not Applicable |

Safety Data Sheet

Specialty Black BKA

Revision Date: 05/17/2021

Version: 3

Upper/lower flammability or explosive limits

Lower Explosive Limit: Not Measured

Upper Explosive Limit: Not Measured

Vapor pressure (Pa)

Not Measured

Vapor Density

Not Measured

Specific Gravity

Not Measured

Solubility in Water

Not Measured

Partition coefficient n-octanol/water (Log Kow)

Not Measured

Auto-ignition temperature

Not Measured

Decomposition temperature

Not Measured

Viscosity (cSt)

Not Measured

Solubility in Water

Approximately 50 g/l (72F)

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

When used and handled as directed, none.

11. Toxicological information

Acute toxicity

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|--|---------------------------|-------------------|---------------------------------|-------------------------------------|--------------------------|
| Azo dyes - (Proprietary) | No data available | No data available | No data available | No data available | No data available |
| Acetic acid, sodium salt, trihydrate - (6131-90-4) | No data available | No data available | No data available | No data available | No data available |
| Chromium compounds (as Cr (III)) - (7440-47-3) | 422.00, Rat - Category: 4 | No data available | No data available | No data available | No data available |

Safety Data Sheet

Specialty Black BKA

Revision Date: 05/17/2021

Version: 3

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|-------------------------------|----------|--|
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | --- | Not Applicable |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | --- | Not Applicable |
| Serious eye damage/irritation | --- | Not Applicable |
| Respiratory sensitization | 1 | May cause allergy or asthma symptoms of breathing difficulties if inhaled. |
| Skin sensitization | 1 | May cause an allergic skin reaction. |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

12. Ecological information

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|----------------------------|----------------------------|---------------------------------------|
| Azo dyes - (Proprietary) | Not Available | Not Available | Not Available |
| Acetic acid, sodium salt, trihydrate - (6131-90-4) | Not Available | Not Available | Not Available |
| Chromium compounds (as Cr (III)) - (7440-47-3) | 77.50, Pimephales promelas | 1.20, Daphnia magna | 580.00 (72 hr), Chlorella pyrenoidosa |

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

Safety Data Sheet

Specialty Black BKA

Revision Date: 05/17/2021

Version: 3

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|---|--|---|----------------------------------|
| 14.1. UN number | Not Applicable | Not Regulated | Not Regulated |
| 14.2. UN proper shipping name | Not Regulated | Not Regulated | Not Regulated |
| 14.3. Transport hazard class(es) | DOT Hazard Class: Not Applicable | IMDG: Not Applicable Sub Class: Not Applicable | Air Class: Not Applicable |
| 14.4. Packing group | Not Applicable | Not Applicable | Not Applicable |
| 14.5. Environmental hazards | | | |
| IMDG | Marine Pollutant: No | | |
| 14.6. Special precautions for user | No further information | | |

15. Regulatory information

| | |
|---|--|
| Regulatory Overview | The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. |
| Toxic Substance Control Act (TSCA) | All components of this material are either listed or exempt from listing on the TSCA Inventory. |
| WHMIS Classification | D2A |
| US EPA Tier II Hazards | Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No |

Safety Data Sheet

Specialty Black BKA

Revision Date: 05/17/2021

Version: 3

EPCRA 311/312 Chemicals and RQs (lbs):

Chromium compounds (as Cr (III)) (5,000.00)

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Chromium compounds (as Cr (III))

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Chromium compounds (as Cr (III))

Pennsylvania RTK Substances (>1%):

Chromium compounds (as Cr (III))

International Regulations:

RoHS3: This product been manufactured in compliance with EU Directive 2011/65/EU and the most recent Directive 2015/863.

REACH: This product has been manufactured in compliance with the EU REACH (Registration, Evaluation, Authorization of Chemicals) directive on the restriction of the use of SVHC (Substances of Very High Concern).

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

H413 May cause long lasting harmful effects to aquatic life.

Safety Data Sheet

Specialty Black BKA

Revision Date: 05/17/2021

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Original Issue Date: 04/30/2015

Revision Date: 05/17/2021

Revision Notes:

RoHS3 and REACH compliance added to SDS.

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