

## Safety Data Sheet acc. to OSHA HCS

Printing date 08/12/2025

Reviewed on 08/12/2025

### 1 Identification

- **Product identifier**
- **Trade name: SHS11 JET BLACK MIXING TINT**
- **Article number: SHS11**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
NorthStar is a product of Lusid Technologies Inc  
4725 S Camp Kearns Road  
Kearns, UT 84118  
(801) 966-5300  
info@lusidtechnologies.com
- **Information department: Product safety department**
- **Emergency telephone number:**  
24 Hrs Emergency Contact:  
INFOTRAC  
1-800-535-5053

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 3

H226 Flammable liquid and vapor.



GHS08 Health hazard

Germ Cell Mutagenicity 1B

H340 May cause genetic defects.

Carcinogenicity 1B

H350 May cause cancer.



GHS07

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS02



GHS07



GHS08

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Trade name: SHS11 JET BLACK MIXING TINT

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- **Signal word** Danger
- **Hazard-determining components of labeling:**
  - n-butyl acetate
  - Carbon black
  - Solvent naphtha (petroleum), light arom.
- **Hazard statements**
  - Flammable liquid and vapor.
  - May cause genetic defects.
  - May cause cancer.
  - May cause drowsiness or dizziness.
- **Precautionary statements**
  - Obtain special instructions before use.
  - Do not handle until all safety precautions have been read and understood.
  - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  - Ground/bond container and receiving equipment.
  - Use explosion-proof electrical/ventilating/lighting/equipment.
  - Use only non-sparking tools.
  - Take precautionary measures against static discharge.
  - Avoid breathing dust/fume/gas/mist/vapors/spray
  - Use only outdoors or in a well-ventilated area.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - IF exposed or concerned: Get medical advice/attention.
  - Call a poison center/doctor if you feel unwell.
  - In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.
  - Store in a well-ventilated place. Keep container tightly closed.
  - Store in a well-ventilated place. Keep cool.
  - Store locked up.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 3

Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**

|            |    |                |
|------------|----|----------------|
| HEALTH     | *0 | Health = *0    |
| FIRE       | 3  | Fire = 3       |
| REACTIVITY | 0  | Reactivity = 0 |
- **Other hazards**
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

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**Dangerous components:**

|            |  |         |
|------------|--|---------|
| 123-86-4   | <i>n</i> -butyl acetate                  | 25-50%  |
| 110-43-0   | heptan-2-one                             | 2.5-10% |
| 1333-86-4  | Carbon black                             | 2.5-10% |
| 108-65-6   | 2-methoxy-1-methylethyl acetate          | ≤2.5%   |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | ≤2.5%   |

## 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

**PAC-1:**

|          |                         |         |
|----------|-------------------------|---------|
| 123-86-4 | <i>n</i> -butyl acetate | 5 ppm   |
| 110-43-0 | heptan-2-one            | 150 ppm |

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|                 |                                 |                        |
|-----------------|---------------------------------|------------------------|
| 1333-86-4       | Carbon black                    | 9 mg/m <sup>3</sup>    |
| 108-65-6        | 2-methoxy-1-methylethyl acetate | 50 ppm                 |
| 7664-38-2       | phosphoric acid                 | 3 mg/m <sup>3</sup>    |
| 556-67-2        | octamethylcyclotetrasiloxane    | 360 mg/m <sup>3</sup>  |
| <b>· PAC-2:</b> |                                 |                        |
| 123-86-4        | n-butyl acetate                 | 200 ppm                |
| 110-43-0        | heptan-2-one                    | 670 ppm                |
| 1333-86-4       | Carbon black                    | 290 mg/m <sup>3</sup>  |
| 108-65-6        | 2-methoxy-1-methylethyl acetate | 1,000 ppm              |
| 7664-38-2       | phosphoric acid                 | 30 mg/m <sup>3</sup>   |
| 556-67-2        | octamethylcyclotetrasiloxane    | 530 mg/m <sup>3</sup>  |
| <b>· PAC-3:</b> |                                 |                        |
| 123-86-4        | n-butyl acetate                 | 3000* ppm              |
| 110-43-0        | heptan-2-one                    | 4000* ppm              |
| 1333-86-4       | Carbon black                    | 1750 mg/m <sup>3</sup> |
| 108-65-6        | 2-methoxy-1-methylethyl acetate | 5000* ppm              |
| 7664-38-2       | phosphoric acid                 | 150 mg/m <sup>3</sup>  |
| 556-67-2        | octamethylcyclotetrasiloxane    | 1600 mg/m <sup>3</sup> |

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
At this time, the remaining constituent has no known exposure limits.

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**123-86-4 n-butyl acetate**

|     |   |
|-----|---|
| PEL | Long-term value: 710 mg/m <sup>3</sup> , 150 ppm  |
| REL | Short-term value: 950 mg/m <sup>3</sup> , 200 ppm<br>Long-term value: 710 mg/m <sup>3</sup> , 150 ppm |
| TLV | Short-term value: 712 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 238 mg/m <sup>3</sup> , 50 ppm  |

**110-43-0 heptan-2-one**

|     |  |
|-----|--|
| PEL | Long-term value: 465 mg/m <sup>3</sup> , 100 ppm |
| REL | Long-term value: 465 mg/m <sup>3</sup> , 100 ppm |
| TLV | Long-term value: 50 ppm                          |

**1333-86-4 Carbon black**

|     |  |
|-----|--|
| PEL | Long-term value: 3.5 mg/m <sup>3</sup>   |
| REL | Long-term value: 3.5* mg/m <sup>3</sup><br>*0.1 in presence of PAHs; See Pocket Guide Apps.A+C |
| TLV | Long-term value: 3* mg/m <sup>3</sup><br>*inhalable fraction, A3                               |

**108-65-6 2-methoxy-1-methylethyl acetate**

|      |                         |
|------|-------------------------|
| WEEL | Long-term value: 50 ppm |
|------|-------------------------|

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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## · Eye protection:



Tightly sealed goggles

## 9 Physical and chemical properties

## · Information on basic physical and chemical properties

## · General Information

## · Appearance:

|                   |                 |
|-------------------|-----------------|
| · Form:           | Liquid          |
| · Color:          | Black           |
| · Odor:           | Characteristic  |
| · Odor threshold: | Not determined. |

· pH-value: Not determined (pH N/A in solvent coatings)

## · Change in condition

|                                |                             |
|--------------------------------|-----------------------------|
| · Melting point/Melting range: | Undetermined.               |
| · Boiling point/Boiling range: | 124-128 °C (255.2-262.4 °F) |

· Flash point: 27 °C (80.6 °F)

· Flammability: Flammable.

· Auto igniting: 370 °C (698 °F)

· Decomposition temperature: Not determined.

· Ignition temperature: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

## · Explosion limits:

|          |           |
|----------|-----------|
| · Lower: | 1.2 Vol % |
| · Upper: | 7.5 Vol % |

· Vapor pressure at 20 °C (68 °F): 10.7 hPa (8 mm Hg)

· Vapor pressure at 50 °C (122 °F): 55 hPa (41.3 mm Hg)

· Density at 20 °C (68 °F): 1.0523 g/cm<sup>3</sup> (8.7814 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

## · Solubility in / Miscibility with

· Water: Fully miscible.

· Partition coefficient (n-octanol/water): Not determined.

## · Viscosity:

|              |                 |
|--------------|-----------------|
| · Dynamic:   | Not determined. |
| · Kinematic: | Not determined. |

## · Solvent content:

· Organic solvents: 39.1 %

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**VOC content:** 39.06 %  
393.4 g/l / 3.28 lb/gal

**Solids content:** 62.6 %

· **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

### 123-86-4 n-butyl acetate

|            |          |                       |
|------------|----------|-----------------------|
| Oral       | LD50     | 13,100 mg/kg (rat)    |
| Dermal     | LD50     | >5,000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | >21 mg/l (rat)        |

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

The product can cause inheritable damage.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

1333-86-4 Carbon black

2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

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- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- |                                     |                     |
|-------------------------------------|---------------------|
| · <b>UN-Number</b>                  |                     |
| · <b>DOT, IMDG, IATA</b>            | UN1263              |
| · <b>UN proper shipping name</b>    |                     |
| · <b>DOT</b>                        | Paint               |
| · <b>IMDG, IATA</b>                 | PAINT               |
| · <b>Transport hazard class(es)</b> |                     |
| · <b>DOT</b>                        |                     |
|                                     |                     |
| · <b>Class</b>                      | 3 Flammable liquids |
| · <b>Label</b>                      | 3                   |
| · <b>IMDG, IATA</b>                 |                     |
|                                     |                     |
| · <b>Class</b>                      | 3 Flammable liquids |
| · <b>Label</b>                      | 3                   |
| · <b>Packing group</b>              |                     |
| · <b>DOT, IMDG, IATA</b>            | III                 |

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|  |  |
|--|--|
| · <b>Environmental hazards:</b>  |  |
| · <b>Marine pollutant:</b>   | No   |
| · <b>Special precautions for user</b>  | Warning: Flammable liquids   |
| · <b>Hazard identification number (Kemler code):</b>                             | 30   |
| · <b>EMS Number:</b>   | F-E, S-E   |
| · <b>Stowage Category</b>  | A  |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.  |
| · <b>Transport/Additional information:</b>                                       |  |
| · <b>DOT</b>   |  |
| · <b>Quantity limitations</b>  | On passenger aircraft/rail: 60 L<br>On cargo aircraft only: 220 L  |
| · <b>IMDG</b>  |  |
| · <b>Limited quantities (LQ)</b>   | 5L   |
| · <b>Excepted quantities (EQ)</b>  | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · <b>UN "Model Regulation":</b>  | UN 1263 PAINT, 3, III  |

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

### · Section 355 (extremely hazardous substances):

None of the ingredients is listed.

### · Section 313 (Specific toxic chemical listings):

7664-38-2 phosphoric acid

### · TSCA (Toxic Substances Control Act):

|            |  |        |
|------------|--|--------|
| 123-86-4   | n-butyl acetate                          | ACTIVE |
| 110-43-0   | heptan-2-one                             | ACTIVE |
| 1333-86-4  | Carbon black                             | ACTIVE |
| 108-65-6   | 2-methoxy-1-methylethyl acetate          | ACTIVE |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | ACTIVE |
| 7664-38-2  | phosphoric acid                          | ACTIVE |
| 556-67-2   | octamethylcyclotetrasiloxane             | ACTIVE |

### · Hazardous Air Pollutants

None of the ingredients is listed.

### · Proposition 65

#### · Chemicals known to cause cancer:

1333-86-4 Carbon black

#### · Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

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· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

1333-86-4 Carbon black

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

1333-86-4 Carbon black

· **GHS label elements**

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

· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

*n*-butyl acetate

Carbon black

Solvent naphtha (petroleum), light arom.

· **Hazard statements**

Flammable liquid and vapor.

May cause genetic defects.

May cause cancer.

May cause drowsiness or dizziness.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Ground/bond container and receiving equipment.

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

Use only non-sparking tools.

Take precautionary measures against static discharge.

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

Use only outdoors or in a well-ventilated area.

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

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

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

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- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials:**  
Carcinogenic hazardous material group III (dangerous).
- **Information about limitation of use:**  
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Environment protection department.
- **Contact:** Product Safety Dept.
- **Date of preparation / last revision** 08/12/2025 / 5
- **Abbreviations and acronyms:**  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 NIOSH: National Institute for Occupational Safety  
 OSHA: Occupational Safety & Health  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 Flammable Liquids 3: Flammable liquids – Category 3  
 Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B  
 Carcinogenicity 1B: Carcinogenicity – Category 1B  
 Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
- **\* Data compared to the previous version altered.**

USA