

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 08/12/2025

Reviewed on 08/12/2025

**1 Identification**

- **Product identifier**
- **Trade name: SHS12 WHITE MIXING TINT**
- **Article number: SHS12**
- **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

Carcinogenicity 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS02 GHS08

- **Signal word Warning**

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

titanium dioxide

ethylbenzene

- **Hazard statements**

Flammable liquid and vapor.

Suspected of causing cancer. Route of exposure: Inhalation.

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## 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.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- 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 exposed or concerned: Get medical advice/attention.
- In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.
- 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)



### HMIS-ratings (scale 0 - 4)

HEALTH	1	Health = 1
FIRE	2	Fire = 2
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.

### Dangerous components:

110-43-0	heptan-2-one	25-50%
13463-67-7	titanium dioxide	10-25%
100-41-4	ethylbenzene	≤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.

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- **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.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **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:** 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:

110-43-0	heptan-2-one	150 ppm
13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
100-41-4	ethylbenzene	33 ppm
1330-20-7	xylene	130 ppm
108-38-3	m-xylene	130 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
123-86-4	n-butyl acetate	5 ppm
14808-60-7	Quartz (SiO <sub>2</sub> )	0.075 mg/m <sup>3</sup>
57-55-6	Propylene glycol	30 mg/m <sup>3</sup>
78-83-1	butanol	150 ppm

### · PAC-2:

110-43-0	heptan-2-one	670 ppm
13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>
100-41-4	ethylbenzene	1100 ppm
1330-20-7	xylene	920* ppm
108-38-3	m-xylene	920 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm

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123-86-4	<i>n</i> -butyl acetate	200 ppm
14808-60-7	Quartz (SiO <sub>2</sub> )	8.3 mg/m <sup>3</sup>
57-55-6	Propylene glycol	1,300 mg/m <sup>3</sup>
78-83-1	butanol	1,300 ppm
<b>· PAC-3:</b>		
110-43-0	heptan-2-one	4000* ppm
13463-67-7	titanium dioxide	2,000 mg/m <sup>3</sup>
100-41-4	ethylbenzene	1800 ppm
1330-20-7	xylene	2500* ppm
108-38-3	<i>m</i> -xylene	2500* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
123-86-4	<i>n</i> -butyl acetate	3000* ppm
14808-60-7	Quartz (SiO <sub>2</sub> )	50 mg/m <sup>3</sup>
57-55-6	Propylene glycol	7,900 mg/m <sup>3</sup>
78-83-1	butanol	8000* ppm

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Open and handle receptacle with care.
- **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.

### 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

### 100-41-4 ethylbenzene

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
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REL	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 20 ppm OTO, BEI, A3

· **Ingredients with biological limit values:**

**100-41-4 ethylbenzene**

BEI	0.15 g/g creatinine Medium: urine Time: end of shift Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)
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· **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:** Not required.

· **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.

· **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:**

Fluid

**Color:**

According to product specification

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· <b>Odor:</b>	Characteristic
· <b>Odor threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined (pH N/A in solvent coatings)
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	151 °C (303.8 °F)
· <b>Flash point:</b>	39 °C (102.2 °F)
· <b>Flammability:</b>	Flammable.
· <b>Auto igniting:</b>	393 °C (739.4 °F)
· <b>Decomposition temperature:</b>	Not determined.
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	1 Vol %
<b>Upper:</b>	5.5 Vol %
· <b>Vapor pressure at 20 °C (68 °F):</b>	3.5 hPa (2.6 mm Hg)
· <b>Vapor pressure at 50 °C (122 °F):</b>	22 hPa (16.5 mm Hg)
· <b>Density at 20 °C (68 °F):</b>	1.6082 g/cm <sup>3</sup> (13.4204 lbs/gal)
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	43.3 %
<b>VOC content:</b>	43.29 %
	379.1 g/l / 3.16 lb/gal
<b>Solids content:</b>	76.4 %
· <b>Other information</b>	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.

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· **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:**

### 110-43-0 heptan-2-one

Oral LD50 1,670 mg/kg (rat)

Dermal LD50 12,600 mg/kg (rabbit)

· **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:

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

13463-67-7	titanium dioxide	2B
100-41-4	ethylbenzene	2B
1330-20-7	xylene	3
95-47-6	o-xylene	3
106-42-3	p-xylene	3
108-38-3	m-xylene	3
14808-60-7	Quartz (SiO <sub>2</sub> )	1

· **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO <sub>2</sub> )	K
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· **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.· **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 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

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· **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.

## 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                        |
| <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.            |

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- **Transport/Additional information:**
- **DOT**
- **Quantity limitations**

	On passenger aircraft/rail: 60 L
	On cargo aircraft only: 220 L

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- **IMDG**
- **Limited quantities (LQ)**

	5L
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- **Excepted quantities (EQ)**

	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation":**

	UN 1263 PAINT, 3, III
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## 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):**

100-41-4	ethylbenzene
1330-20-7	xylene
95-47-6	o-xylene
106-42-3	p-xylene
108-38-3	m-xylene

- **TSCA (Toxic Substances Control Act):**

110-43-0	heptan-2-one	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
100-41-4	ethylbenzene	ACTIVE
1330-20-7	xylene	ACTIVE
95-47-6	o-xylene	ACTIVE
106-42-3	p-xylene	ACTIVE
108-38-3	m-xylene	ACTIVE
64742-47-8	Distillates (petroleum), hydrotreated light	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
123-86-4	n-butyl acetate	ACTIVE
14808-60-7	Quartz (SiO <sub>2</sub> )	ACTIVE
57-55-6	Propylene glycol	ACTIVE
78-83-1	butanol	ACTIVE

- **Hazardous Air Pollutants**

100-41-4	ethylbenzene
1330-20-7	xylene
95-47-6	o-xylene
106-42-3	p-xylene
108-38-3	m-xylene

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- **Proposition 65**

- **Chemicals known to cause cancer:**

13463-67-7	titanium dioxide
100-41-4	ethylbenzene
14808-60-7	Quartz (SiO <sub>2</sub> )

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **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)**

100-41-4	ethylbenzene	D
1330-20-7	xylene	I
95-47-6	o-xylene	I
106-42-3	p-xylene	I
108-38-3	m-xylene	I

- **TLV (Threshold Limit Value)**

13463-67-7	titanium dioxide	A4
100-41-4	ethylbenzene	A3
1330-20-7	xylene	A4
95-47-6	o-xylene	A4
106-42-3	p-xylene	A4
108-38-3	m-xylene	A4
14808-60-7	Quartz (SiO <sub>2</sub> )	A2

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

13463-67-7	titanium dioxide
14808-60-7	Quartz (SiO <sub>2</sub> )

- **GHS label elements**

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

- **Hazard pictograms**



GHS02 GHS08

- **Signal word** Warning

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

titanium dioxide

ethylbenzene

- **Hazard statements**

Flammable liquid and vapor.

Suspected of causing cancer. Route of exposure: Inhalation.

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- **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.  
 Keep container tightly closed.  
 Ground/bond container and receiving equipment.  
 Use explosion-proof electrical/ventilating/lighting/equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 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 exposed or concerned: Get medical advice/attention.  
 In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.  
 Store in a well-ventilated place. Keep cool.  
 Store locked up.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**

- **Additional classification according to Decree on Hazardous Materials:**

Carcinogenic hazardous material group III (dangerous).

- **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 / 6

- **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

BEL: Biological Exposure Limit

Flammable Liquids 3: Flammable liquids – Category 3

Carcinogenicity 2: Carcinogenicity – Category 2

- **\* Data compared to the previous version altered.**