



Printing date 08/18/2025 Reviewed on 08/18/2025

#### 1 Identification

· Product identifier

· Trade name: SHS37 VERY FINE METALLIC MIXING TINT

· Article number: SHS37

· 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

H226 Flammable liquid and vapor. Flammable Liquids 3

Substances and mixtures which, in contact with H260 In contact with water releases flammable water, emit flammable gases 1 gases, which may ignite spontaneously.



GHS08 Health hazard

Germ Cell Mutagenicity 1B H340 May cause genetic defects.

Carcinogenicity 1B H350 May cause cancer.

Specific Target Organ Toxicity - Repeated Exposure H372 Causes damage to the central nervous system through prolonged or repeated

exposure.

- · Label elements
- · GHS label elements

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

· Hazard pictograms





GHS02 GHS08

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#### · Signal word Danger

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

Stoddard solvent

Solvent naphtha (petroleum), light arom.

ethylbenzene

#### · Hazard statements

Flammable liquid and vapor.

In contact with water releases flammable gases, which may ignite spontaneously.

May cause genetic defects.

May cause cancer.

Causes damage to the central nervous system through prolonged or repeated exposure.

#### · 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.

Do not allow contact with water.

Handle under inert gas. Protect from moisture.

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.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

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.

Get medical advice/attention if you feel unwell.

Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.

In case of fire: Use CO2, sand, extinguishing powder to extinguish.

Store in a dry place. Store in a closed container.

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)



The substance demonstrates unusual reactivity with water.

· HMIS-ratings (scale 0 - 4)



Health = \*0 Fire = 3

- · Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.

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· vPvB: Not applicable.

### 3 Composition/information on ingredients

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

· Dangerous	· Dangerous components:			
110-43-0	heptan-2-one	10-25%		
7429-90-5	aluminium	10-25%		
123-86-4	n-butyl acetate	10-25%		
1330-20-7		2.5-10%		
	Stoddard solvent	2.5-10%		
64742-95-6	Solvent naphtha (petroleum), light arom.	≤2.5%		
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.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- · 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:

Extinguishing powder. Do not use water.

CO2. Do not use water.

Sand. Do not use water.

Special powder for metal fires. Do not use water.

CO2, sand, extinguishing powder. Do not use water.

- For safety reasons unsuitable extinguishing agents: Water
- Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

- Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

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#### 6 Accidental release measures

### · Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

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.

Do not flush with water or aqueous cleansing agents

#### · 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

110-43-0	heptan-2-one	150 ppm
123-86-4	n-butyl acetate	5 ppm
1330-20-7	xylene	130 ppm
8052-41-3	Stoddard solvent	1700 mg/m3
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
122-99-6	2-phenoxyethanol	1.5 ppm
100-41-4	ethylbenzene	33 ppm
7664-38-2	phosphoric acid	3 mg/m³
14808-60-7	Quartz (SiO2)	0.075 mg/m
57-55-6	Propylene glycol	30 mg/m³
78-83-1	butanol	150 ppm
PAC-2:		
110-43-0	heptan-2-one	670 ppm
123-86-4	n-butyl acetate	200 ppm
1330-20-7	xylene	920* ppm
8052-41-3	Stoddard solvent	1800 mg/m3
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
122-99-6	2-phenoxyethanol	16 ppm
100-41-4	ethylbenzene	1100 ppm
7664-38-2	phosphoric acid	30 mg/m³
14808-60-7	Quartz (SiO2)	8.3 mg/m3
57-55-6	Propylene glycol	1,300 mg/m
78-83-1	butanol	1,300 ppm
PAC-3:		
110-43-0	heptan-2-one	4000* ppm
123-86-4	n-butyl acetate	3000* ppm
1330-20-7	xylene	2500* ppm
8052-11-3	Stoddard solvent	20000 mg/m3

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108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
122-99-6	2-phenoxyethanol	97 ppm
100-41-4	ethylbenzene	1800 ppm
7664-38-2	phosphoric acid	150 mg/m³
14808-60-7	Quartz (SiO2)	50 mg/m3
57-55-6	Propylene glycol	7,900 mg/m³
78-83-1	butanol	8000* ppm

## 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.

Store in cool, dry conditions in well sealed receptacles.

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 other constituents have no known exposure limits.

110-4	110-43-0 heptan-2-one				
PEL	Long-term value: 465 mg/m³, 100 ppm				
REL	Long-term value: 465 mg/m³, 100 ppm				
TLV	Long-term value: 50 ppm				
123-	123-86-4 n-butyl acetate				
PEL	Long-term value: 710 mg/m³, 150 ppm				
REL	Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm				
TLV	Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm				

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1330	0-20-7 xylene
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Long-term value: 20 ppm BEI, A4
8052	2-41-3 Stoddard solvent
PEL	Long-term value: 2900 mg/m³, 500 ppm
REL	Long-term value: 350 mg/m³ Ceiling limit value: 1800* mg/m³ *15-min
TLV	Long-term value: 525 mg/m³, 100 ppm
100-	-41-4 ethylbenzene
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Cong-term value: 20 ppm OTO, BEI, A3
· Ingr	redients with biological limit values:
1330	0-20-7 xylene
BEI	0.3 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
100-	-41-4 ethylbenzene
	0.15 g/g creatinine Medium: urine Time: end of shift Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

- · 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.

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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:

· Vapor density

Evaporation rate



Tightly sealed goggles

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Information on basic physical and chemical properties					
General Information					
· Appearance: Form:	Liquid				
Color:	Silver-colored				
· 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.				
•	Contact with water liberates extremely flammable gases.				
· Auto igniting:	230 °C (446 °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 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):	1.1401 g/cm³ (9.5141 lbs/gal)				
Relative density	Not determined.				

Not determined.

Not determined.

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Solubility in / Miscibility with		
Water:	Fully miscible.	
Partition coefficient (n-octano	I/water): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
Organic solvents:	43.1 %	
VOC content:	51.51 %	
	536.1 g/l / 4.47 lb/gal	
Solids content:	53.0 %	
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 Contact with water releases flammable gases.
- · 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:

· I D/I C50 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:

The product can cause inheritable damage.

· Carcinogenic categories

	ou. om og on	no categories	
	· IARC (International Agency for Research on Cancer)		
	1330-20-7	xylene	3
Ī	100-41-4	ethylbenzene	2B
	14808-60-7	Quartz (SiO2)	1
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· NTP (National Toxicology Program)

14808-60-7 Quartz (SiO2)

Κ

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 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.

Paint

- Uncleaned packagings:
- · **Recommendation:** Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

## 14 Transport information

- · UN-Number
- · DOT, IMDG, IATA UN1263
- · UN proper shipping name
- · DOT
- · **IMDG, IATA** PAINT
- · Transport hazard class(es)
- · DOT



· Class 3 Flammable liquids

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# Safety Data Sheet acc. to OSHA HCS

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3 · Label · IMDG, IATA 3 Flammable liquids · Class · Label · Packing group · DOT, IMDG, IATA II· Environmental hazards: · Marine pollutant: No · Special precautions for user Warning: Flammable liquids · Hazard identification number (Kemler code): 30 · EMS Number: F-E,S-E · Stowage Category · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

· DOT

• Quantity limitations On passenger aircraft/rail: 60L On cargo aircraft only: 5L

· IMDG

· Limited quantities (LQ) 5L · 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, II

### 15 Regulatory information

 $\cdot$  Safety, health and environmental regulations/legislation specific for the substance or mixture  $\cdot$  Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

7429-90-5 aluminium 1330-20-7 xylene

122-99-6 2-phenoxyethanol

100-41-4 ethylbenzene

7664-38-2 phosphoric acid

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

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(Contd. of page 10) · Hazardous Air Pollutants 1330-20-7 xylene 100-41-4 ethylbenzene · Proposition 65 · Chemicals known to cause cancer: 100-41-4 ethylbenzene 14808-60-7 Quartz (SiO2) · 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) 1330-20-7 xylene 100-41-4 ethylbenzene D · TLV (Threshold Limit Value) 7429-90-5 aluminium A4 1330-20-7 xylene Α4 100-41-4 ethylbenzene *A3* 14808-60-7 Quartz (SiO2) A2 NIOSH-Ca (National Institute for Occupational Safety and Health)

#### · GHS label elements

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

· Hazard pictograms





14808-60-7 Quartz (SiO2)

GHS02 GHS08

#### · Signal word Danger

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

Stoddard solvent

Solvent naphtha (petroleum), light arom.

ethylbenzene

#### · Hazard statements

Flammable liquid and vapor.

In contact with water releases flammable gases, which may ignite spontaneously.

May cause genetic defects.

May cause cancer.

Causes damage to the central nervous system through prolonged or repeated exposure.

#### Precautionary statements

Obtain special instructions before use.

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

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

Do not allow contact with water.

Handle under inert gas. Protect from moisture.

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.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

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.

Get medical advice/attention if you feel unwell.

Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.

In case of fire: Use CO2, sand, extinguishing powder to extinguish.

Store in a dry place. Store in a closed container.

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).

· 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 08/18/2025 / 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

BEI: Biological Exposure Limit

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Flammable Liquids 3: Flammable liquids – Category 3
Substances and mixtures which, in contact with water, emit flammable gases 1: Substances and mixtures which in contact with water emit flammable gases – Category 1
Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B
Carcinogenicity 1B: Carcinogenicity – Category 1B
Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1

\* Data compared to the previous version altered.