

Printing date 11/13/2023

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Reviewed on 11/13/2023

1 Identification	
· Product identifier	
· Trade name: SC280 2.1 VOC SATIN CLEAR	
· Article number: SC280	
<ul> <li>Details of the supplier of the safety data sheet</li> <li>Manufacturer/Supplier: Lusid Technologies</li> <li>4725 S Camp Kearns Road Kearns, UT 840118</li> </ul>	
<ul> <li>Information department: Product safety departme</li> <li>Emergency telephone number: 24 Hrs Emergency Contact: INFOTRAC 1-800-535-5053</li> </ul>	ent
2 Hazard(s) identification	
· Classification of the substance or mixture	
GHS02 Flame	
Flammable Liquids 2	H225 Highly flammable liquid and vapor.
GHS08 Health hazard	
•	H351 Suspected of causing cancer.
Carcinogenicity 2	
Carcinogenicity 2 GHS07	
$\mathbf{A}$	H315 Causes skin irritation.
GHS07	H315 Causes skin irritation. H319 Causes serious eye irritation.
GHS07 Skin Irritation 2	
GHS07 Skin Irritation 2 Eye Irritation 2A	H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.

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· HMIS-ratings (scale 0 - 4)



#### · Other hazards

· Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- · vPvB: Not applicable.

### 3 Composition/information on ingredients

- <sup>•</sup> Chemical characterization: Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:		
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	25-50%
67-64-1	acetone	10-25%
123-86-4	n-butyl acetate	10-25%
112926-00-8	Precipitated silica (Silica-Amorphous)	2.5-10%
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	≤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 and to be sure call for a doctor.
- In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- 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
- <sup>.</sup> Suitable extinguishing agents:
- CO2, 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.

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<ul> <li>Personal pre Wear protect</li> <li>Environmen Dilute with ple Do not allow</li> <li>Methods and Absorb with lin Dispose cont Ensure adequ</li> <li>Reference to See Section</li> <li>See Section</li> <li>See Section</li> </ul>	<ul> <li>6 Accidental release measures</li> <li>Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.</li> <li>Environmental precautions: Dilute with plenty of water.</li> <li>Do not allow to enter sewers/ surface or ground water.</li> <li>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.</li> <li>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.</li> <li>Protective Action Criteria for Chemicals</li> </ul>			
· PAC-1:				
	acetone	200 ppm		
	n-butyl acetate	5 ppm		
	Precipitated silica (Silica-Amorphous)	18 mg/m³		
1330-20-7		130 ppm		
	dibutyltin dilaurate	1.1 mg/m³		
	2-phenoxyethanol	1.5 ppm		
100-41-4	ethylbenzene	33 ppm		
· PAC-2:				
67-64-1	acetone	3200* ppm		
123-86-4	n-butyl acetate	200 ppm		
112926-00-8	Precipitated silica (Silica-Amorphous)	200 mg/m³		
1330-20-7	xylene	920* ppm		
77-58-7	dibutyltin dilaurate	8 mg/m³		
122-99-6	2-phenoxyethanol	16 ppm		
100-41-4	ethylbenzene	1100* ppm		
· PAC-3:	·			
67-64-1	acetone	5700* ppm		
123-86-4	n-butyl acetate	3000* ppm		
112926-00-8		1,200 mg/m <sup>3</sup>		
1330-20-7		2500* ppm		
77-58-7	-	48 mg/m³		
		97 ppm		
		1800* ppm		

### 7 Handling and storage

- · Handling:
- Precautions for safe handling
- Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

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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: Store in a cool location.

· Information about storage in one common storage facility: Not required.

• Further information about storage conditions: Keep receptacle tightly sealed.

Reep 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.

67-64	4-1 acetone
PEL	Long-term value: 2400 mg/m³, 1000 ppm
REL	Long-term value: 590 mg/m³, 250 ppm
TLV	Short-term value: 500 ppm Long-term value: 250 ppm A4, BEI
123-8	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: 150 ppm Long-term value: 50 ppm
1129	26-00-8 Precipitated silica (Silica-Amorphous)
PEL	20mppcf or 80mg/m3 /%SiO2
REL	Long-term value: 6 mg/m³ See Pocket Guide App. C
TLV	TLV withdrawn
· Ingre	edients with biological limit values:
67-64	4-1 acetone
	25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
· Addi	itional information: The lists that were valid during the creation were used as basis. (Contd. on page 6)

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- 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. Avoid contact with the eyes and skin.
- · 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.

• Eye protection:



Tightly sealed goggles

Information on basic physical and General Information	chemical properties	
Appearance: Form:	Liquid	
Color:	Cloudy	
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:	55.8-56.6 °C (132.4-133.9 °F)	
· Flash point:	<-18 °C (<-0.4 °F)	
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· Flammability (solid, gaseous):	Highly 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: Upper:	1.2 Vol % 13 Vol %
<ul> <li>Vapor pressure at 20 °C (68 °F):</li> <li>Vapor pressure at 50 °C (122 °F):</li> </ul>	233 hPa (174.8 mm Hg) 800 hPa (600 mm Hg)
<ul> <li>Density at 20 °C (68 °F):</li> <li>Relative density</li> <li>Vapor density</li> <li>Evaporation rate</li> </ul>	1.0927 g/cm³ (9.1186 lbs/gal) Not determined. Not determined. Not determined.
<ul> <li>Solubility in / Miscibility with Water:</li> </ul>	Fully miscible.
· Partition coefficient (n-octanol/wate	er): Not determined.
· Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
<ul> <li>Solvent content: Organic solvents: VOC content:</li> </ul>	37.7 % 13.83 % 297.0 g/l / 2.48 lb/gal
Solids content:	37.1 %
· 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:
- · Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.

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2B

• on the eye: Irritating effect. • Sensitization: Sensitization possible through skin contact. • Additional toxicological information:

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

Irritant

· Carcinogenic categories

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

98-56-64-chloro-alpha,alpha,alpha-trifluorotoluene112926-00-8Precipitated silica (Silica-Amorphous)1330-20-7xylene100-41-4ethylbenzene

#### · 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.
- · 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.

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UN-Number	1011000
DOT, IMDG, IATA	UN1263
UN proper shipping name	Defet
DOT IMDG, IATA	Paint PAINT
Transport hazard class(es)	
DOT	
P AMARIE HUID	
Class	3 Flammable liquids
Label	3
Class	3 Flammable liquids
Label	3
Packing group	
DOT, IMDG, IATA	11
Environmental hazards:	A1-
Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids
Hazard identification number (Kemler code): EMS Number:	33 F-E,S-E
Stowage Category	B
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: 5 L
-	On cargo aircraft only: 60 L
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1263 PAINT, 3, II

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No further re	th and environmental regulations/legislation specific for the substance or m levant information available.	nxture
· Sara		
	(extremely hazardous substances):	
None of the	ingredients is listed.	
	(Specific toxic chemical listings):	
1330-20-7 x	-	
	2-phenoxyethanol	
100-41-4 e	thylbenzene	
· TSCA (Toxi	c Substances Control Act):	
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	ACTIV
67-64-1	acetone	ACTIV
123-86-4	n-butyl acetate	ACTIV
1330-20-7	-	ACTIVI
	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	ACTIVI
	Cellulose Acetate Butyrate	ACTIV
	poly(oxy-1,2-ethanediyl), α-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4- hydroxyphenyl]-1-oxopropyl]-ω-[3-[3-(2H- benzotriazol-2-yl)-5-(1,1- dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]-	
104810-48-2	poly(oxy-1,2-ethanediyl), α-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4- hydroxyphenyl]-1-oxopropyl]-ω-hydroxy-	ACTIVI
	Paraffin waxes and Hydrocarbon waxes	ACTIV
	methyl 1,2,2,6,6-pentamethyl-4-piperidylsebacate	ACTIV
	dibutyltin dilaurate	ACTIV
	2-phenoxyethanol	ACTIV
100-41-4	ethylbenzene	ACTIV
· Hazardous J	Air Pollutants	
1330-20-7 x	-	
	thylbenzene	
· Proposition		
	known to cause cancer:	
	chloro-alpha,alpha,alpha-trifluorotoluene	
100-41-4 etl	hylbenzene	
· Chemicals I	known to cause reproductive toxicity for females:	
None of the	ingredients is listed.	
· Chemicals I	known to cause reproductive toxicity for males:	
	ingredients is listed.	
· Chemicals I	known to cause developmental toxicity:	
	ingredients is listed.	
	ic categories	
	onmental Protection Agency)	
67-64-1 a		1

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1330-20-7		1
100-41-4	ethylbenzene	D
· TLV (Thre	shold Limit Value)	
67-64-1	acetone	A4
1330-20-7	xylene	A4
77-58-7	dibutyltin dilaurate	A4
100-41-4	ethylbenzene	A3
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	

None of the ingredients is listed.

#### · GHS label elements

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



· Signal word Danger

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If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use CO2, 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.

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 11/13/2023

· 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) 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 Flammable Liquids 2: Flammable liquids – Category 2 Skin Irritation 2: Skin corrosion/irritation – Category 2 Eye Irritation 2A: Serious eye damage/eye irritation - Category 2A Sensitization - Skin 1: Skin sensitisation - Category 1 Carcinogenicity 2: Carcinogenicity – Category 2 Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3 \* Data compared to the previous version altered.

USA