

Printing date 07/02/2025

Reviewed on 07/02/2025

1 Identification · Product identifier · Trade name: MC024 MATTE CLEAR · Article number: MC024 · 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 2 H225 Highly flammable liquid and vapor. GHS08 Health hazard Carcinogenicity 2 H351 Suspected of causing cancer. GHS07 Skin Irritation 2 H315 Causes skin irritation. Eye Irritation 2A H319 Causes serious eye irritation. Sensitization - Skin 1 H317 May cause an allergic skin reaction. 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). (Contd. on page 2) - USA

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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

- [•] 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	2.5-10%
110-43-0	heptan-2-one	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
- 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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Wear prote Environme Dilute with Do not allo Methods a Absorb with Dispose co Ensure add Reference See Sectio See Sectio See Sectio Protective	Action Criteria for Chemicals Action Criteria for Chemicals Mathematical for Chemicals Mathematical for Chemicals Mathematical for containment and cleaning up: Mathematical for containment and cleaning up: M	
PAC-1:		
	acetone	200 ppm
	n-butyl acetate	5 ppm
	heptan-2-one	150 ppm
	silicon dioxide, chemically prepared	18 mg/m ³
1330-20-7	•	130 ppm
	butan-1-ol	60 ppm
	ethylbenzene	33 ppm
	2-phenoxyethanol	1.5 ppm
	dibutyltin dilaurate	1.1 mg/m
108-88-3	toluene	67 ppm
PAC-2:		
67-64-1	acetone	3200* ppn
123-86-4	n-butyl acetate	200 ppm
110-43-0	heptan-2-one	670 ppm
7631-86-9	silicon dioxide, chemically prepared	200 ppm
1330-20-7	xylene	920* ppm
71-36-3	butan-1-ol	800 ppm
100-41-4	ethylbenzene	1100 ppm
122-99-6	2-phenoxyethanol	16 ppm
77-58-7	dibutyltin dilaurate	3.8 mg/m3
108-88-3	toluene	560 ppm
PAC-3:		
67-64-1	acetone	5700* ppm
	n-butyl acetate	3000* ppm
	heptan-2-one	4000* ppm
	silicon dioxide, chemically prepared	1200 ppm
1330-20-7		2500* ppm
71-36-3	butan-1-ol	8000** ppn

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122-99-6	2-phenoxyethanol	97 ppm
77-58-7	dibutyltin dilaurate	23 mg/m3
108-88-3	toluene	3700 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: Store in a cool location.
- · 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.

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: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm A4, BEI	
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	
110-4	43-0 heptan-2-one	
PEL	Long-term value: 465 mg/m³, 100 ppm	
REL	Long-term value: 465 mg/m³, 100 ppm	
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Ingr	redients with biological limit values:
-	64-1 acetone
BEI	25 mg/L
	Medium: urine
	Time: end of shift
	Parameter: Acetone (nonspecific)
Add	<i>litional information:</i> The lists that were valid during the creation were used as basis.
Exp	oosure controls
	sonal protective equipment:
	neral protective and hygienic measures:
	p away from foodstuffs, beverages and feed.
	nediately remove all soiled and contaminated clothing.
	sh hands before breaks and at the end of work.
	re protective clothing separately.
	id contact with the eyes and skin.
	athing equipment:
	ase of brief exposure or low pollution use respiratory filter device. In case of intensive or long
	osure use respiratory protective device that is independent of circulating air.
	tection of hands:
	dfb
111	Protective gloves
	Protective gioves
The	glove material has to be impermeable and resistant to the product/ the substance/ the preparation
	e to missing tests no recommendation to the glove material can be given for the product/ th
	paration/ the chemical mixture.
Sele	ection of the glove material on consideration of the penetration times, rates of diffusion and th
	radation
Mat	erial of gloves
The	selection of the suitable gloves does not only depend on the material, but also on further marks
qua	lity and varies from manufacturer to manufacturer. As the product is a preparation of sever
sub	stances, the resistance of the glove material can not be calculated in advance and has therefore
be c	checked prior to the application.
Pen	netration time of glove material
	exact break through time has to be found out by the manufacturer of the protective gloves and h
to b	e observed.
Eye	protection:
	Tightly sealed goggles
	Inginity sealed goggles
Ph	ysical and chemical properties
	ormation on basic physical and chemical properties

- · Appearance: Form:
- Color:

Liquid Clear

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Odor: Odor threshold:	Characteristic Not determined.
pH-value:	Not determined (pH N/A in solvent coatings)
Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. 55.8-56.6 °C (132.4-133.9 °F)
Flash point:	<-18 °C (<-0.4 °F)
Flammability:	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:	2.6 Vol % 13 Vol %
Vapor pressure at 20 °C (68 °F): Vapor pressure at 50 °C (122 °F):	233 hPa (174.8 mm Hg) 800 hPa (600 mm Hg)
Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate	1.105 g/cm³ (9.2212 lbs/gal) Not determined. Not determined. Not determined.
Solubility in / Miscibility with Water:	Fully miscible.
Partition coefficient (n-octanol/wate	r): Not determined.
Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
Solvent content: Organic solvents: VOC content:	34.9 % 15.24 % 305.0 g/l / 2.54 lb/gal
Solids content:	31.4 %
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.

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· 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.
- · 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)		
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	2B
7631-86-9	silicon dioxide, chemically prepared	3
1330-20-7	xylene	3
100-41-4	ethylbenzene	2B
108-88-3	toluene	3
· 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

- 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 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- Other adverse effects No further relevant information available.

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[·] Toxicity

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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.

4 Transport information	
· UN-Number · DOT, IMDG, IATA	UN1263
· UN proper shipping name · DOT · IMDG, IATA	Paint PAINT
· Transport hazard class(es)	
· DOT	
· Class · Label	3 Flammable liquids 3
· IMDG, IATA	
· Class · Label	3 Flammable liquids 3
· Packing group · DOT, IMDG, IATA	11
· Environmental hazards:	Not applicable.
 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category 	Warning: Flammable liquids 33 F-E, <u>S-E</u> 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
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 IMDG Limited quantities (LQ) Excepted quantities (EQ) 	5L 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

15 Regulatory information

Section 355	(extremely hazardous substances):	
	ingredients is listed.	
Section 313	(Specific toxic chemical listings):	
1330-20-7 x		
71-36-3 b	outan-1-ol	
100-41-4 e	thylbenzene	
122-99-6 2	P-phenoxyethanol	
108-88-3 to	oluene	
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
110-43-0	heptan-2-one	ACTIV
7631-86-9	silicon dioxide, chemically prepared	ACTIV
1330-20-7	' xylene	ACTIV
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	ACTIV
71-36-3	B butan-1-ol	ACTIV
104810-47-1	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]-	ACTIV
104810-48-2	P poly(oxy-1,2-ethanediyl), α-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4- hydroxyphenyl]-1-oxopropyl]-ω-hydroxy-	ACTIV
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidylsebacate	ACTIV
100-41-4	ethylbenzene	ACTIV
	2-phenoxyethanol	ACTIV
77-58-7	dibutyltin dilaurate	ACTIV
108-88-3	3 toluene	ACTIV
Hazardous	Air Pollutants	
1330-20-7 x	ylene	
100-41-4 6	thylbenzene	

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· Propositio	on 65	.a. o. pago .o,	
· Chemicals	s known to cause cancer:		
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene		
100-41-4	ethylbenzene		
· Chemicals	s known to cause reproductive toxicity for females:		
None of the	e ingredients is listed.		
· Chemicals	s known to cause reproductive toxicity for males:		
None of the	e ingredients is listed.		
· Chemicals	s known to cause developmental toxicity:		
108-88-3 1	toluene		
· Carcinoge	enic categories		
	ronmental Protection Agency)		
	acetone	1	
1330-20-7	xylene	1	
71-36-3	butan-1-ol	D	
100-41-4	ethylbenzene	D	
108-88-3	toluene	11	
TLV (Thre	· TLV (Threshold Limit Value)		
67-64-1	acetone	A4	
1330-20-7	xylene	A4	
100-41-4	ethylbenzene	A3	
77-58-7	dibutyItin dilaurate	A4	
108-88-3	toluene	A4	

· 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
- Hazard-determining components of labeling: 4-chloro-alpha,alpha,alpha-trifluorotoluene acetone n-butyl acetate bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate
 Hazard statements Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. May cause drowsiness or dizziness.

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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.
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
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy
to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
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 07/02/2025 / 2
- 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

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USA -