

Printing date 08/06/2018

Reviewed on 12/05/2017

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1 Identification

- · Product identifier
- · Trade name: <u>928WN0006 FLEET WHITE</u>
- · Article number: 928WN0006
- Details of the supplier of the safety data sheet
 Manufacturer/Supplier:
 Lusid Technologies

5195 West 4700 South KEARNS, UT 84118 USA www.lusid.biz

 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

Flam. Liq. 3 H226 Flammable liquid and vapor.



Carc. 2

GHS08 Health hazard

H351 Suspected of causing cancer.

GHS07

Acute Tox. 4 H332 Harmful if inhaled. Skin Sens. 1 H317 May cause an allergic skin reaction.

· Label elements

GHS label elements

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

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- · 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:

Dungerous	components.	
13463-67-7	titanium dioxide	25-50%
123-86-4	n-butyl acetate	10-25%
110-43-0	heptan-2-one	2.5-10%
123-54-6	pentane-2,4-dione	<i>≤</i> 2.5%
100-41-4	ethylbenzene	<i>≤</i> 2.5%
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	<i>≤</i> 2.5%

4 First-aid measures

· Description of first aid measures

· General information:

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 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.
- · 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.

- 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: Mouth respiratory protective device.

6 Accidental release measures

• Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.

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_ .		(Contd. of page
Methods an Absorb with Dispose con	ntal precautions: Do not allow to enter sewers/ surface or ground water. Ind material for containment and cleaning up: liquid-binding material (sand, diatomite, acid binders, universal binders, sa Itaminated material as waste according to item 13.	wdust).
	quate ventilation.	
	o other sections 7 for information on safe handling.	
	8 for information on personal protection equipment.	
See Section	13 for disposal information.	
	Action Criteria for Chemicals	
PAC-1:		00
	titanium dioxide	30 mg/m ³
	n-butyl acetate	5 ppm
	heptan-2-one	150 ppm
	pentane-2,4-dione	75 ppm
1330-20-7	•	130 ppm
	ethylbenzene	33 ppm
108-38-3	-	130 ppm
	2-methoxy-1-methylethyl acetate	50 ppm
	dibutyltin dilaurate	1.1 mg/m ³
	2-Phenoxyethanol	1.5 ppm
	Carbon black	9 mg/m³
	Dipropylene glycol monomethyl ether	150 ppm
108-83-8	2,6-dimethylheptan-4-one	75 ppm
14808-60-7	Quartz (SiO2)	0.075 mg/m
57-55-6	Propylene glycol	30 mg/m³
78-83-1	butanol	150 ppm
70657-70-4	2-methoxypropyl acetate	50 ppm
7664-38-2	phosphoric acid	3 mg/m³
PAC-2:		
13463-67-7	titanium dioxide	330 mg/m³
123-86-4	n-butyl acetate	200 ppm
110-43-0	heptan-2-one	670 ppm
123-54-6	pentane-2,4-dione	110 ppm
1330-20-7	xylene	920* ppm
100-41-4	ethylbenzene	1100* ppm
108-38-3	<i>m-xylene</i>	920 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
77-58-7	dibutyltin dilaurate	8 mg/m³
122-99-6	2-Phenoxyethanol	16 ppm
1333-86-4	Carbon black	99 mg/m³
34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm
	2,6-dimethylheptan-4-one	330 ppm
	Quartz (SiO2)	33 mg/m ³
	Propylene glycol	1,300 mg/m
	••• ••	(Contd. on page

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78-83-1	butanol	1,300 ppm
70657-70-4	2-methoxypropyl acetate	1,000 ppm
7664-38-2	phosphoric acid	30 mg/m³
PAC-3:		
13463-67-7	titanium dioxide	2,000 mg/m
123-86-4	n-butyl acetate	3000* ppm
110-43-0	heptan-2-one	4000* ppm
123-54-6	pentane-2,4-dione	200 ppm
1330-20-7	xylene	2500* ppm
100-41-4	ethylbenzene	1800* ppm
108-38-3	<i>m-xylene</i>	2500* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
77-58-7	dibutyltin dilaurate	48 mg/m ³
122-99-6	2-Phenoxyethanol	97 ppm
1333-86-4	Carbon black	590 mg/m ³
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
14808-60-7	Quartz (SiO2)	200 mg/m ³
57-55-6	Propylene glycol	7,900 mg/m
78-83-1	butanol	8000* ppm
70657-70-4	2-methoxypropyl acetate	5,000 ppm
7664-38-2	phosphoric acid	150 mg/m³

7 Handling and storage

· Handling:

· Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

• Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- · 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 item 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.

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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/m ³ , 50 ppm
	43-0 heptan-2-one
	Long-term value: 465 mg/m³, 100 ppm
	Long-term value: 465 mg/m³, 100 ppm
	Long-term value: 233 mg/m³, 50 ppm
123-	54-6 pentane-2,4-dione
TLV	Long-term value: 102 mg/m ³ , 25 ppm
	Skin
	41-4 ethylbenzene
	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 545 mg/m ³ , 125 ppm
	Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 87 mg/m³, 20 ppm BEI
Ingre	edients with biological limit values:
100-	41-4 ethylbenzene
BEI	0.7 g/g creatinine
	Medium: urine
	Time: end of shift at end of workweek
	Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
	- Medium: end-exhaled air
	Time: not critical
	Parameter: Ethyl benzene (semi-quantitative)
Add	itional information: The lists that were valid during the creation were used as basis.
Expo	osure controls
	ional protective equipment:
	eral protective and hygienic measures:
	o away from foodstuffs, beverages and feed.
	ediately remove all soiled and contaminated clothing.
	h hands before breaks and at the end of work.
	n thing equipment: ase of brief exposure or low pollution use respiratory filter device. In case of intensive or longe
	sure use respiratory protective device that is independent of circulating air.
	ection of hands:
ſ	n i i i i i i i i i i i i i i i i i i i
111	Protective gloves
The	glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
	give a material material so importingasio and redictant to the product/ the substance/ the proparation,

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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(Contd. of page 6) 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

General Information	
Appearance:	
Form:	Liquid
Color:	White
Odor: Odor threshold:	Characteristic 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 °C (255.2 °F)
Flash point:	27 °C (80.6 °F)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	370 °C (698 °F)
Decomposition temperature:	Not determined.
Auto igniting:	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)
Density at 20 ℃ (68 ℉):	1.2818 g/cm³ (10.6966 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.

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Solubility in / Miscibility with Water:	Not miscible or difficult to mix.	
Partition coefficient (n-octanol	/water): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
Organic solvents:	23.2 %	
VOC content:	23.22 %	
	370.3 g/l / 3.09 lb/gal	
Solids content:	71.1 %	
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: No irritant effect.
- on the eye: No 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:

Harmful Irritant

· Carcinogenic categories

3463-67-7	titanium dioxide	21
1330-20-7	xylene	3
100-41-4	ethylbenzene	21
108-38-3	m-xylene	3
106-42-3		3
	o-xylene	3
1333-86-4	Carbon black	21

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14808-60-7 Quartz (SiO2)

· NTP (National Toxicology Program)

14808-60-7 Quartz (SiO2)

· 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 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.

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.

UN-Number DOT, IMDG, IATA	UN1263	
UN proper shipping name		
DOT	Paint	
IMDG, IATA	PAINT	
Transport hazard class(es) DOT		
Class	3 Flammable liquids	

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Label	3
IMDG, IATA	
Class	3 Flammable liquids
Label	3
· Packing group · DOT, IMDG, IATA	<i>III</i>
Environmental hazards: Marine pollutant:	Νο
Special precautions for user	Warning: Flammable liquids
· Danger code (Kemler): · EMS Number:	30
Stowage Category	F-E, <u>S-E</u> A
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.
Transport/Additional information:	
Quantity limitations	On passenger aircraft/rail: 60 L
	On cargo aircraft only: 220 L
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per inner packaging: 30 mi Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 1263 PAINT, 3, III

15 Regulatory information

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

· Section 35	55 (extremely hazardous substances):
None of the	e ingredients is listed.
· Section 31	13 (Specific toxic chemical listings):
1330-20-7	xylene
100-41-4	ethylbenzene
108-38-3	m-xylene
106-42-3	p-xylene
95-47-6	o-xylene
122-99-6	2-Phenoxyethanol
7664-38-2	phosphoric acid
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TSCA (Tox	ic Substances Control Act):	(Contd. of page
•	titanium dioxide	
	n-butyl acetate	
	heptan-2-one	
	pentane-2,4-dione	
1330-20-7		
	ethylbenzene	
	m-xylene	
	Distillates (petroleum), hydrotreated light	
	p-xylene	
	o-xylene	
	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	
	2-methoxy-1-methylethyl acetate	
	ALPHA-IRON(III) OXIDE	
	dibutyltin dilaurate	
	2-Phenoxyethanol	
	Carbon black	
1047-16-1	Quinacridone	
64742-95-6	Solvent naphtha (petroleum), light arom.	
147-14-8	Phthalocyanine Blue	
34590-94-8	Dipropylene glycol monomethyl ether	
108-83-8	2,6-dimethylheptan-4-one	
14808-60-7	Quartz (SiO2)	
57-55-6	Propylene glycol	
78-83-1	butanol	
	phosphoric acid	
Propositio		
	known to cause cancer:	
	titanium dioxide	
	ethylbenzene	
	Carbon black	
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.	
Carcinoge	nic categories	
-	onmental Protection Agency)	
1330-20-7		
	ethylbenzene	
108-38-3	•	
	,	

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106-42-3		Ι
95-47-6	o-xylene	1
· TLV (Threshold Limit Value established by ACGIH)		
13463-67-7	titanium dioxide	A4
1330-20-7	' xylene	A4
100-41-4	ethylbenzene	A3
108-38-3	m-xylene	A4
	p-xylene	A4
95-47-6	o-xylene	A4
77-58-7	dibutyItin dilaurate	A4
1333-86-4	Carbon black	A4
14808-60-7	Quartz (SiO2)	A2
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
13463-67-7	titanium dioxide	
1333-86-4	Carbon black	
14808-60-7	Quartz (SiO2)	

GHS label elements

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



· Signal word Warning

Hazard-determining components of labeling: titanium dioxide heptan-2-one bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate Hazard statements

Flammable liquid and vapor. Harmful if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. • **Precautionary statements**

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

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IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use for extinction: CO2, powder or water spray. 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 08/06/2018 / 2
- Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists 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 Flam. Lig. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity - Category 4 Skin Sens. 1: Skin sensitisation - Category 1 Carc. 2: Carcinogenicity – Category 2 • * Data compared to the previous version altered.

USA