## Lovibond<sup>®</sup> Water Testing

## **Tintometer® Group**



## Safety Data Sheet

acc. to OSHA HCS (HazCom 2012)

Printing date 11/29/2017

#### **1** Identification

#### · Product identifier

- · Trade name: Verification Standard 610 nm
- · Catalogue number: 215656, 215650-610, 215660-610
- · Application of the substance / the mixture: Coloured Standard Solution for calibration purposes
- Manufacturer/Supplier: Tintometer Inc. 6456 Parkland Drive Sarasota, FL 34243 USA phone: (941) 756-6410 fax: (941) 727-9654 www.lovibond.us Made in Germany
- · Emergency telephone number: + 1 866 928 0789 (English, French, Spanish)

#### 2 Hazard(s) identification

#### · Classification of the substance or mixture



Flam. Liq. 3 H226 Flammable liquid and vapor.

- · Label elements
- · GHS label elements The product is classified and labeled according to the Hazard Communication Standard (HCS).
- · Hazard pictograms



#### · Signal word Warning

Hazard statements

H226 Flammable liquid and vapor.

#### Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P280 Wear protective gloves / eye protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P403+P235 Store in a well-ventilated place. Keep cool.

#### · Other hazards

Vapors have narcotic effect.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent. Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.

## **3 Composition/information on ingredients**

#### · Chemical characterization: Mixtures

· **Description:** aqueous solution

Reviewed on 11/29/2017

(Contd. of page 1)

## Safety Data Sheet acc. to OSHA HCS (HazCom 2012)

Printing date 11/29/2017

Reviewed on 11/29/2017

#### Trade name: Verification Standard 610 nm

#### · Composition and Information on Ingredients:

Percent ranges are used due to the confidential product information.

CAS: 67-63-0	propan-2-ol	5–10%
EINECS: 200-661-7	🚸 Flam. Liq. 2, H225; 伙 Eye Irrit. 2A, H319; STOT SE 3, H336	
Index number: 603-117-00-0		
RTECS: NT 8050000		
CAS: 67-68-5	dimethyl sulfoxide	0.1–1%
EINECS: 200-664-3	Flam. Liq. 4, H227	
RTECS: PV 6210000		
CAS: 9036-19-5	Octylphenol polyethoxyethanol	0.025–≤0.1%
EINECS: 264-520-1	♦ Eye Dam. 1, H318; ♦ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ↑ Acute Tox. 4, H302; Skin Irrit. 2, H315	
	(M=1); () Acute Tox. 4, H302; Skin Irrit. 2, H315	
Additional information: For the wording of the listed hazard phrases refer to section 16.		

#### 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 wash with water and soap and rinse thoroughly.
- · After eye contact:
- Rinse opened eye for several minutes (at least 15 min) under running water. If symptoms persist, consult a doctor.
- After swallowing:
- Rinse out mouth and then drink 1-2 glasses of water. Seek medical treatment.
- · Most important symptoms and effects, both acute and delayed
- irritations
- after inhalation: drowsiness coughing breathing difficulty dizziness after resorption: headache fatigue
- sickness
- vomiting
- · Danger: Condition may deteriorate with alcohol consumption.
- · 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
- Can burn in fire.
- Can form explosive gas-air mixtures.
- Formation of toxic gases is possible during heating or in case of fire.
- In case of fire, the following can be released:
- Carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>)
- Advice for firefighters
- Protective equipment:
- Wear self-contained respiratory protective device.
- Wear fully protective suit.
- · Additional information
- Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Printing date 11/29/2017

Reviewed on 11/29/2017

#### Trade name: Verification Standard 610 nm

Ambient fire may liberate hazardous vapours.

#### 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
   Advice for non-emergency personnel: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation
- Advice for emergency responders: Protective equipment: see section 8
- Environmental precautions: Do not allow product to reach sewage system or any water course. Prevent seepage into sewage system, workpits and cellars. Suppress gases/fumes/haze with water spray.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, universal binders). Dispose contaminated material as waste according to item 13.
- Reference to other sections
- See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

#### 7 Handling and storage

- · Handling:
- · Precautions for safe handling
- Advice on safe handling:
- Use only in well ventilated areas. Protect from heat.
- Keep ignition sources away Do not smoke.
- Hygiene measures:
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the skin.
- Take off immediately all contaminated clothing.
- Wash hands before breaks and at the end of work.
- Do not eat, drink or smoke when using this product.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:
- Store only in unopened original receptacles.
- Do not use light alloy receptacles.
- · Information about storage in one common storage facility: Store away from oxidizing agents.
- · Further information about storage conditions:
- Store in cool, dry conditions in well sealed receptacles.
- Protect from frost.
- Protect from heat and direct sunlight.
- Protect from exposure to the light.
- Store in the dark.
- Protect from humidity and water.
- Recommended storage temperature: 20°C +/- 5°C (approx. 68°F)
- Specific end use(s) No further relevant information available.

#### 8 Exposure controls/personal protection

- · Control parameters
- **Components with limit values that require monitoring at the workplace:** At this time, the other constituents have no known exposure limits.

#### CAS: 67-63-0 propan-2-ol

PEL (USA) Long-term value: 980 mg/m<sup>3</sup>, 400 ppm

(Contd. of page 2)

Printing date 11/29/2017

Reviewed on 11/29/2017

#### Trade name: Verification Standard 610 nm

REL (USA)	(Contd. of page 3
REL (USA)	(Conta: of page )
	Short-term value: 1225 mg/m³, 500 ppm Long-term value: 980 mg/m³, 400 ppm
TLV (USA)	Short-term value: 984 mg/m³, 400 ppm Long-term value: 492 mg/m³, 200 ppm BEI
EL (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm
EV (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm
- Ingredients	with biological limit values:
CAS: 67-63-	0 propan-2-ol
Т	0 mg/L /edium: urine 'ime: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
Breathing e Recommend Protection of Avoid direct	contact with the chemical/ the product/ the preparation by organizational measures.
After use of g Material of g Chloroprene Recommend	
The exact br	eak through time has to be found out by the manufacturer of the protective gloves and has to be observed. In from splashes gloves made of the following materials are suitable:

Do not allow product to reach sewage system or any water course. Risk of explosion.

## 9 Physical and chemical properties

· Information on basic physical and chemical properties		
<ul> <li>Appearance: Form / Physical state: Color:</li> </ul>	Fluid Blue	
· Odor: · Odor threshold:	Solvent-like Not determined.	
· pH-value at 20 °C (68 °F):	7,3	
<ul> <li>Melting point/freezing point:</li> <li>Initial boiling point and boiling range:</li> </ul>	Not determined. : 82 °C (179.6 °F) (CAS 67-63-0)	
· Flash point:	39,5 °C (103.1 °F) (DIN EN IS 2719/A)	
· Flammability (solid, gas):	Flammable liquid and vapor.	
· Decomposition temperature:	Not determined.	
	(Contd. on page	

(Contd. on page 5)

Printing date 11/29/2017

Reviewed on 11/29/2017

#### Trade name: Verification Standard 610 nm

	(Contd. of page 4	
· Auto-ignition temperature:	Product is not self-igniting.	
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.	
<ul> <li>Flammability or explosive limits:</li> </ul>	·	
Lower:	Not determined.	
Upper:	Not determined.	
· Oxidizing properties:	none	
· Vapor Pressure:	Not determined.	
Density at 20 °C (68 °F):	0,98 g/cm³ (8.18 lbs/gal)	
Relative density:	Not determined.	
· Vapor density:	Not determined.	
<ul> <li>Evaporation rate:</li> </ul>	Not determined.	
· Solubility(ies)		
Water:	Fully miscible.	
· Partition coefficient (n-octanol/wate	r): Not determined.	
· Viscosity:	Not determined.	
· Solvent content:		
Organic solvents:	< 10 %	
Water:	> 90 %	
Solids content:	< 1 %	
· Other information	No further relevant information available.	

#### 10 Stability and reactivity

• **Reactivity** Fumes can combine with air to form an explosive mixture.

· Chemical stability Stable at ambient temperature (room temperature).

• **Possibility of hazardous reactions** Reacts with alkaline metals. Reacts with earth alkaline metals. Exothermic reaction with acids.

- · Conditions to avoid Heating.
- · Incompatible materials:
- metals

light metals

rubber various plastics

· Hazardous decomposition products: see section 5

#### **11 Toxicological information**

#### · Information on toxicological effects

· Acute toxicity: Based on available data, the classification criteria are not met.

· LD/LC50	· LD/LC50 values that are relevant for classification:		
CAS: 67-6	-		
Oral	LD50	5045 mg/kg (rat) (RTECS)	
	LDLo	3570 mg/kg (human) (RTECS)	
Dermal	LD50	12800 mg/kg (rabbit) (RTECS)	
Inhalative	LC50	37.5 mg/l/4h (rat) (OECD 403, vapour)	
CAS: 67-6	CAS: 67-68-5 dimethyl sulfoxide		
Oral	Oral LD50 14500 mg/kg (rat) (Gestis)		
	(Contd. on page 6)		

u. on page 6) ------ US ----

Printing date 11/29/2017

Reviewed on 11/29/2017

#### Trade name: Verification Standard 610 nm

			(Contd. of p	age 5
Dermal	Dermal LD50 40000 mg/kg (rat) (RTECS)		<u> </u>	
Inhalative LC <sub>0</sub> >5.33 mg/l (rat) (4h, OECD 403) (Merck)				
CAS: 9036-19-5 Octylphenol polyethoxyethanol				
Oral		1900–5000		
Dermal	LD50	>3000 mg/k	g (rabbit)	
· on the ey	in: Bas e: Bas	sed on availa ed on availat	ble data, the classification criteria are not met. le data, the classification criteria are not met.	
		components	S	
		opan-2-ol		
		OECD 404	(rabbit: no irritation)	
		OECD 405		
		methyl sulfo	(rabbit: slight irritation)	
		OECD 404 OECD 405		
	-		l polyethoxyethanol	
		•••	(rabbit: irritation)	
Initation 0	I SKIII	0ECD 404	(ECHA: read across CAS 140-66-9)	
			(rabbit)	
0				
			lable data, the classification criteria are not met.	
		components	).	
Sensitizati	-	opan-2-ol	(quines right pogetive) (ILICLID)	
		methyl sulfo	(guinea pig: negative) (IUCLID)	
Sensitizati			(guinea pig: negative) (EPA OPP 81-6: Guinea pig maximisation test)	
			I polyethoxyethanol	
			nan) (negative)	
· Carcinog		-		
-			for Research on Cancer)	
CAS: 67-6		•		3
-		'oxicology P		
None of th	ne ingre	edients is list	ed.	
· OSHA-Ca	(Occı	pational Sa	fety & Health Administration)	
None of th	ne ingre	edients is list	ed.	
· Other info	ormati	on: see sect	on 8 / 15	
Synergist	ic Pro	ducts: None		
<ul> <li>Germ cell</li> <li>Carcinoge</li> </ul>	l muta enicity	<b>genicity</b> Bas Based on a	, <b>mutagenicity and toxicity for reproduction):</b> The following statements refer to the mixture: ed on available data, the classification criteria are not met. vailable data, the classification criteria are not met. I on available data, the classification criteria are not met.	
STOT (sp Aspiration	ecific n haza	target orgar Ird Based on	<b>toxicity) -single exposure</b> Based on available data, the classification criteria are not met. <b>toxicity) -repeated exposure</b> Based on available data, the classification criteria are not met. available data, the classification criteria are not met.	
		components	X.	
		opan-2-ol		
OECD 47			erial Reverse Mutation Test - Ames test)	
(Salmonella typhirium, IUCLID)				
OECD 476			ro Mammalian Cell Gene Mutation Test)	
	OECD 474 (negative) (Mammalian Erythrocyte Micronucleus Test)			

(Contd. on page 7)

- US ---

(Contd. of page 6)

## Safety Data Sheet acc. to OSHA HCS (HazCom 2012)

Printing date 11/29/2017

Reviewed on 11/29/2017

#### Trade name: Verification Standard 610 nm

CAS:	67-68-5	dimethyl	sulfoxide
		·····	

OECD 471	(negative) (Salmonella typhimurium)
OECD 473	
OECD 474	(negative)

#### · Additional toxicological information:

DMSO readily penetrates skin and may carry other dissolved chemicals into the body.

CAS 67-68-5 is skin-resorbing.

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc. • Experience with humans:

CAS 67-63-0: Can cause liver damage.

CAS 67-63-0: Can cause kidney damages.

#### 12 Ecological information

#### · Toxicity

· Aquatic toxicity:		
CAS: 67-63-0 propan-2-ol		
EC50	13299 mg/l/48h (Daphnia magna) (IUCLID)	
EC5	4930 mg/l (Entosiphon sulcatum) (72h)	
IC50	>1000 mg/l/72h (Desmodesmus subspicatus) (IUCLID)	
LC50	1400 mg/l/96h (bluegill) (ECOTOX)	
CAS: 67-6	68-5 dimethyl sulfoxide	
LC50	>25000 mg/l/48h (zebrafish) (OECD 203)	
EC50	24.6 mg/l/48h (Daphnia magna) (OECD 202)	
EC50	17000 mg/l/72 h (Pseudokirchneriella subcapitata) (OECD 201)	
CAS: 903	36-19-5 Octylphenol polyethoxyethanol	
EC50 (sta	atic) 0.011 mg/l/48h (Daphnia magna) (ECHA: read across CAS 140-66-9)	
EC50	1.9 mg/l/96h (Pseudokirchneriella subcapitata) (ECHA: read across CAS 140-66-9)	
NOEC	0.012 mg/l (zebrafish) (OECD 210) (ECHA: read across CAS 140-66-9)	
	0.03 mg/l (Daphnia magna) (OECD 202, 21d) (ECHA: read across CAS 140-66-9)	
LC50	0.26 mg/l/96h (gold orfe) (OECD 203) (ECHA: read across CAS 140-66-9)	
	4–8.9 mg/l/96h (fathhead minnow) (Merck)	
· Bacterial	I toxicity:	
	-63-0 propan-2-ol	
EC5 105	)50 mg/l (Pseudomonas putida) (16h)	
CAS: 67-68-5 dimethyl sulfoxide		
EC10 7100 mg/l (Pseudomonas putida) (16 h) (IUCLID)		
· Persistence and degradability		
	-63-0 propan-2-ol	
OECD 301 E 95 % / 21 d, aerob (readily biodegradable) (Modified OECD Screening Test)		
	-68-5 dimethyl sulfoxide	
	01 D 31 % / 28 d (not readily biodegradable) (Closed Bottle Test)	
CAS: 9036-19-5 Octylphenol polyethoxyethanol		
OECD 301 C 22 % / 28 d (not readily biodegradable) (aerob)		
	(C	contd. on page

Printing date 11/29/2017

Reviewed on 11/29/2017

#### Trade name: Verification Standard 610 nm

(Contd. of page 7)

<ul> <li>Bioaccumulative potential</li> <li>Pow = n-octanol/wasser partition coefficient</li> <li>log Pow &lt; 1 = Does not accumulate in organisms.</li> </ul>	(00.112.0.1230.1)
CAS: 67-63-0 propan-2-ol	
log Pow 0.05 (.) (OECD 107)	
CAS: 67-68-5 dimethyl sulfoxide	
log Pow -1.35 (.) (experimental) (Merck)	
CAS: 9036-19-5 Octylphenol polyethoxyethanol	
log Pow 2.7 (.) (calculated)	
Mobility in soil No further relevant information available	

Mobility in soil No further relevant information available.
 Other adverse effects Avoid transfer into the environment.

#### 13 Disposal considerations

#### · Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to hazardous waste disposers.

- · 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	UN1993
· UN proper shipping name · DOT · IMDG, IATA	Flammable liquids, n.o.s. (Isopropyl alcohol) FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL)
· Transport hazard class(es)	
· DOT	
PLAMAEE LOUD	
· Class	3 Flammable liquids
· Label	3
Class	3 Flammable liquids
·Label	3
<ul> <li>Packing group</li> <li>DOT, IMDG, IATA</li> </ul>	III
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Flammable liquids
Danger code (Kemler):	30
• EMS Number: • Stowage Category	F-E, <u>S-E</u> A

- US ----

## Safety Data Sheet acc. to OSHA HCS (HazCom 2012)

Printing date 11/29/2017

Reviewed on 11/29/2017

#### Trade name: Verification Standard 610 nm

	(Contd. of page a
<ul> <li>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>	Not applicable.
· Transport/Additional information:	
· DOT	
Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· Limited quantity (LQ):	5L ,
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
·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

#### 15 Regulatory information

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

Sara	
· Section 355 (Extremely hazardous substances):	
None of the ingredients is listed.	
· Section 313 (Specific toxic chemical listings):	
CAS: 67-63-0 propan-2-ol	
TSCA (Toxic Substances Control Act):	
All ingredients are listed.	
· Proposition 65	
· Chemicals known to cause cancer:	
None of the ingredients is listed.	
· 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.	
· New Jersey Right-to-Know List:	
CAS: 67-63-0 propan-2-ol	
CAS: 67-68-5 dimethyl sulfoxide	
CAS: 1310-73-2 sodium hydroxide	
· New Jersey Special Hazardous Substance List:	
CAS: 67-63-0 propan-2-ol	F3
CAS: 67-68-5 dimethyl sulfoxide	TE, F2
CAS: 1310-73-2 sodium hydroxide	CO, R1
· Pennsylvania Right-to-Know List:	
CAS: 67-63-0 propan-2-ol	
· Pennsylvania Special Hazardous Substance List:	
CAS: 67-63-0 propan-2-ol	E
· EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
· NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	
· US-VOC content: 861.6 g/l / 7.19 lb/gl	(0.11
	(Contd. on page 10)

Printing date 11/29/2017

Reviewed on 11/29/2017

Trade name: Verification Standard 610 nm

(Contd. of page 9)

· Information about limitation of use: Employment restrictions concerning young persons must be observed.

· 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. **Relevant phrases** H225 Highly flammable liquid and vapor. H227 Combustible liquid. H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. Date of preparation / last revision 11/29/2017 / 5 Abbreviations and acronyms: OECD: Organisation for Economic Co-operation and Development STOT: specific target organ toxicity SE: single exposure RE: repeated exposure EC50: half maximal effective concentration IC50: hallf maximal inhibitory concentration NOEL or NOEC: No Observed Effect Level or Concentration c.c.: closed cup ACGIH<sup>®</sup> - American Conference of Governmental Industrial Hygienists •A1 - Confirmed human carcinogen A2 - Suspected human carcinogen •A3 - Confirmed animal carcinogen with unknown relevance to humans •A4 - Not classifiable as a human carcinogen •A5 - Not suspected as a human carcinogen IARC - International Agency for Research on Cancer •Group 1 - Carcinogenic to humans •Group 2A - Probably carcinogenic to humans •Group 24 - Housibly carcinogenic to humans •Group 3 - Not classifiable as to carcinogenicity to humans •Group 4 - Probably not carcinogenic to humans NTP - National Toxicology Program, U.S. Department of Health and Human Services •Group K - Known to be Human Carcinogens •Group R - Reasonably Anticipated to be Human Carcinogens ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) 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) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent 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. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Flam. Liq. 4: Flammable liquids – Category 4 Acute Tox. 4: Acute toxicity - Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Sources Data arise from safety data sheets, reference works and literature. RTECS (Registry of Toxic Effects of Chemical Substances)

Printing date 11/29/2017

Reviewed on 11/29/2017

#### Trade name: Verification Standard 610 nm

IUCLID (International Uniform Chemical Information Database) ECOTOX Database GESTIS- Stoffdatenbank (Substance Database, Germany)

• \* Data compared to the previous version altered.

(Contd. of page 10)

US -