Revision: January 3, 2022

### **1** Identification

### Product identifier

### • Trade name: <u>DOT Protect Part A</u> Item Key & Version: V.1.1

• Other means of identification: No other identifiers

### · Recommended use and restriction on use

· Recommended use: Coating

· Restrictions on use: No relevant information available.

### <sup>•</sup> Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier: Blue River Coatings, Inc. Physical Address: 2910 South Nebraska Ave. Hastings, NE 68901 USA Mailing Address: PO Box 460 Harvard, NE 68944 USA Phone: 402-463-3962

· Emergency telephone number:

KPA Hazmat & DOT Assistance (888)429-6287 (North America) +1 (352)323-3500 (International)

## 2 Hazard(s) identification

### <sup>•</sup> Classification of the substance or mixture

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT SE 2 H371 May cause damage to the central nervous system and optic nerve.

STOT RE 2 H373 May cause damage to the bladder through prolonged or repeated exposure. Route of exposure: Oral.

# Label elements GHS label elements

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



Signal word: Danger
 Hazard statements:
 H225 Highly flammable liquid and vapor.
 H202 H1202 Harmful if avealaged as if inheled

H302+H332 Harmful if swallowed or if inhaled. H317 May cause an allergic skin reaction.

(Cont'd. on page 2)

Revision: January 3, 2022

### Trade name: DOT Protect Part A

	(Cont'd. of page 1)
	Suspected of damaging fertility or the unborn child.
	<i>Iay</i> cause damage to the central nervous system and optic nerve.
H373 N	lay cause damage to the bladder through prolonged or repeated exposure. Route of
e	exposure: Oral.
<ul> <li>Precautionar</li> </ul>	y statements:
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P312	If swallowed: Call a poison center/doctor if you feel unwell.
P330	Rinse mouth.
P303+P361+F	P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.
<sup>.</sup> Other hazar	ds There are no other hazards not otherwise classified that have been identified.

## 3 Composition/information on ingredients

### · Chemical characterization: Mixtures

· Components:	
	25-50%
<ul> <li>Flam. Liq. 2, H225</li> <li>Skin Sens. 1, H317</li> </ul>	
	25-50%
<ul> <li>Flam. Liq. 3, H226</li> <li>STOT RE 2, H373</li> <li>Acute Tox. 4, H302</li> </ul>	
67-56-1 methanol	<5%
<ul> <li>Flam. Liq. 2, H225</li> <li>Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331</li> </ul>	
(Cont'd.	on page 3)

Revision: January 3, 2022

		. of page
	STOT SE 1, H370	
	Ěye Irrit. 2B, H320	
1112-39-6	dimethoxydimethylsilane	<2.5%
	🚸 Flam. Liq. 2, H225	
	🕉 Repr. 2, H361	
17865-54-2	cyclohexyl trimethoxysilane	<2.5%
	🔶 Skin Corr. 1B, H314	
67-63-0	Propan-2-ol	<1%
07-00-0	Flam. Liq. 2, H225	\$170
	Eye Irrit. 2A, H319; STOT SE 3, H336	
· Additional i	× ·	
	ling of the listed Hazard Statements, refer to section 16.	
	d ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade s	ocrat
		eciel.
4 First-aid	noachtac	
411151-0101	116454165	
• Descriptio	n of first aid measures	
· After inhala		
	air; consult doctor in case of complaints.	
	gen treatment if affected person has difficulty breathing.	
	regular breathing or respiratory arrest provide artificial respiration.	
After skin c		
	remove any clothing soiled by the product.	
	rinse with water.	
lf skin irritati	on continues, consult a doctor.	
<ul> <li>After eye co</li> </ul>		
Remove cor	ntact lenses if worn.	
Rinse opene	ed eye for several minutes under running water. If symptoms persist, consult a doctor.	
After swallo	owing:	
	outh and then drink plenty of water.	
	ce vomiting; immediately call for medical help.	
	tant symptoms and effects, both acute and delayed:	
meetimper		
Headache		
Headache Breathing di	ficulty	
Breathing di	fficulty	
Breathing di Dizziness	•	
Breathing di Dizziness Coughing, d	fficulty izziness, if inhaled.	
Breathing di Dizziness Coughing, d Coughing	izziness, if inhaled.	
Breathing di Dizziness Coughing, d Coughing Allergic reac	izziness, if inhaled. tions	
Breathing di Dizziness Coughing, d Coughing Allergic reac Gastric or in	izziness, if inhaled. tions testinal disorders when ingested.	
Breathing di Dizziness Coughing, d Coughing Allergic reac Gastric or in Nausea in c	izziness, if inhaled. tions	
Breathing di Dizziness Coughing, d Coughing Allergic reac Gastric or in Nausea in c Acidosis	izziness, if inhaled. tions testinal disorders when ingested. ase of ingestion.	
Breathing di Dizziness Coughing, d Coughing Allergic reac Gastric or in Nausea in c Acidosis Unconscious	izziness, if inhaled. tions testinal disorders when ingested. ase of ingestion.	
Breathing di Dizziness Coughing, d Coughing Allergic reac Gastric or in Nausea in c Acidosis Unconscious	izziness, if inhaled. itions testinal disorders when ingested. ase of ingestion.	
Breathing di Dizziness Coughing, d Coughing Allergic reac Gastric or in Nausea in c Acidosis Unconscious Danger: Danger of in	izziness, if inhaled. tions testinal disorders when ingested. ase of ingestion. sness	
Breathing di Dizziness Coughing, d Coughing Allergic reac Gastric or in Nausea in c Acidosis Unconscious	izziness, if inhaled. tions testinal disorders when ingested. ase of ingestion. sness	
Breathing di Dizziness Coughing, d Coughing Allergic reac Gastric or in Nausea in c Acidosis Unconscious <b>Danger:</b> Danger of in Danger of co	izziness, if inhaled. tions testinal disorders when ingested. ase of ingestion. sness paired breathing. provulsion.	
Breathing di Dizziness Coughing, d Coughing Allergic reac Gastric or in Nausea in c Acidosis Unconscious <b>Danger:</b> Danger of in Danger of di	izziness, if inhaled. tions testinal disorders when ingested. ase of ingestion. sness paired breathing. prvulsion. sturbed cardiac rhythm.	
Breathing di Dizziness Coughing, d Coughing Allergic reac Gastric or in Nausea in c Acidosis Unconscious <b>Danger:</b> Danger of in Danger of di Vapours ma	izziness, if inhaled. tions testinal disorders when ingested. ase of ingestion. sness paired breathing. provulsion.	
Breathing di Dizziness Coughing, d Coughing Allergic reac Gastric or in Nausea in c Acidosis Unconscious <b>Danger:</b> Danger of in Danger of di Vapours ma Harmful if sy	izziness, if inhaled. tions testinal disorders when ingested. ase of ingestion. sness paired breathing. prvulsion. sturbed cardiac rhythm. y cause drowsiness and dizziness.	

Revision: January 3, 2022

### Trade name: DOT Protect Part A

(Cont'd. of page 3)

May cause damage to the bladder through prolonged or repeated exposure. Route of exposure: Oral. May cause damage to the central nervous system and optic nerve. • Indication of any immediate medical attention and special treatment needed: Contains methanol. Consult literature for specific antidotes.

Contains trimethoxy(methyl)silane. May produce an allergic reaction.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

If necessary oxygen respiration treatment.

Medical supervision for at least 48 hours.

### 5 Fire-fighting measures

### • Extinguishing media

· Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray.

### • For safety reasons unsuitable extinguishing agents: None.

• Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire. Can form explosive gas-air mixtures.

### Advice for firefighters

### • Protective equipment:

Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.

## • Additional information:

Eliminate all ignition sources if safe to do so. Use large quantities of foam as it is partially destroyed by the product. Cool endangered receptacles with water spray.

### 6 Accidental release measures

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

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Particular danger of slipping on leaked/spilled product.

Keep away from ignition sources.

Protect from heat.

· Environmental precautions Avoid release to the environment.

### · Methods and material for containment and cleaning up

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders). Send for recovery or disposal in suitable receptacles.

Used rags or other cleaning materials should be soaked with water and placed in a sealed container.

### **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.

Revision: January 3, 2022

#### Trade name: DOT Protect Part A

(Cont'd. of page 4)

### 7 Handling and storage

### ·Handling

## Precautions for safe handling:

Handle with care.

Use only in well ventilated areas.

Rags, metal wools / cuttings / shavings and waste papers soaked with product must be placed in a sealed metal container rated for flammable waste.

Avoid splashes or spray in enclosed areas.

## Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

Fumes can combine with air to form an explosive mixture.

Flammable gas-air mixtures may be formed in empty containers/receptacles.

## Conditions for safe storage, including any incompatibilities

· Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.

Store in cool, dry conditions in well sealed receptacles.

## · Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizing agents.

Specific end use(s) No relevant information available.

## 8 Exposure controls/personal protection

### · Control parameters

· Components with limit values that require monitoring at the workplace:		
67-56-1 methar	nol	
PEL (USA)	Long-term value: 260 mg/m <sup>3</sup> , 200 ppm	
REL (USA)	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin	
TLV (USA)	Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm Skin; BEI	
EL (Canada)	Short-term value: 250 ppm Long-term value: 200 ppm Skin	
EV (Canada)	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin	
LMPE (Mexico)	) Short-term value: 250 ppm Long-term value: 200 ppm PIEL, IBE	
67-63-0 Propar	n-2-ol	
	(Cont'd. on	page (

Revision: January 3, 2022

PEL (USA)		Long-term value: 980 mg/m³, 400 ppm	(Cont'd. of page 5)
REL (USA)		Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm	
REE (OOA)		Long-term value: 980 mg/m <sup>3</sup> , 400 ppm	
TLV (USA)		Short-term value: 984 mg/m <sup>3</sup> , 400 ppm	
( )		Long-term value: 492 mg/m <sup>3</sup> , 200 ppm	
		BEI	
EL (Canada	a)	Short-term value: 400 ppm	
		Long-term value: 200 ppm	
EV (Canada		Short-term value: 400 ppm	
		Long-term value: 200 ppm	
LMPE (Mex	(ICO)	Short-term value: 400 ppm Long-term value: 200 ppm	
		A4, IBE	
Ingredients	s wit	h biological limit values:	
67-56-1 me		-	
BEI (USA)			
		ium: urine	
		e: end of shift meter: Methanol (background, nonspecific)	
67-63-0 Pro			
BEI (USA)			
		ium: urine	
		e: end of shift at end of workweek	
	Para	meter: Acetone (background, nonspecific)	
Exposure	con	trols	
		tive and hygienic measures:	
		utionary measures for handling chemicals should be followed.	
		foodstuffs, beverages and feed.	
		nove all soiled and contaminated clothing. Fore breaks and at the end of work.	
		ses / fumes / aerosols.	
		th the eyes and skin.	
		n should strictly avoid inhalation or skin contact.	
		ntrols: No relevant information available.	
Breathing e			
		piratory protective device when aerosol or mist is formed. piratory protective device in case of insufficient ventilation.	
Protection			
db			
Pro	otecti	ve gloves	
The glove n Eye protec		ial has to be impermeable and resistant to the product/ the substance/ the p	preparation.
Sat	fety g	glasses	
		(	Cont'd. on page

Revision: January 3, 2022

### Trade name: DOT Protect Part A

(Cont'd. of page 6)

• **Body protection:** Protective work clothing

## • Limitation and supervision of exposure into the environment No relevant information available.

· Risk management measures No relevant information available.

<sup>·</sup> Information on basic physical a	and chemical properties
· Appearance:	
Form:	Liquid
Color: · Odor:	According to product specification Not determined.
· Odor threshold:	Not determined.
· pH-value:	Not determined.
• Melting point/Melting range:	Not determined.
· Boiling point/Boiling range:	>35 °C (>95 °F)
· Flash point:	>8 °C (>46.4 °F)
· Flammability (solid, gaseous):	Not applicable.
· Auto-ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
<sup>.</sup> Danger of explosion:	Product is not explosive. However, formation of explosive a vapor mixtures are possible.
· Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
· Oxidizing properties:	Non-oxidizing.
· Vapor pressure:	Not determined.
<sup>·</sup> Density:	
Relative density:	Not determined.
Vapor density:	Not determined.
Evaporation rate:	Not determined.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/wat	ter): Not determined.
· Viscosity	
Dynamic:	Not determined.
Kinematic:	Not determined.
<sup>•</sup> Other information	No relevant information available.

## 10 Stability and reactivity

(Cont'd. on page 8)

1

## Safety Data Sheet Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: January 3, 2022

	(Cont'd. of pag
· <b>Reactivity:</b> No relevant information available.	
Chemical stability:	
Thermal decomposition / conditions to be avoided: Keep away from h	eat and direct sunlight.
Possibility of hazardous reactions	
Highly flammable liquid and vapor.	
Used empty containers may contain product gases which form explosive n Can form explosive mixtures in air if heated above flash point and/or when	
Toxic fumes may be released if heated above the decomposition point.	sprayed of atomized.
Reacts with strong oxidizing agents.	
Conditions to avoid	
Moisture.	
Excessive heat.	
Incompatible materials Oxidizers	
Hazardous decomposition products Carbon monoxide and carbon dioxide	
Hydrogen	
Small quantities of formaldehyde may be formed.	
Toxicological information	
May be harmful in contact with skin. Harmful if swallowed or if inhaled.	
May be harmful in contact with skin. Harmful if swallowed or if inhaled. LD/LC50 values that are relevant for classification:	
May be harmful in contact with skin. Harmful if swallowed or if inhaled. LD/LC50 values that are relevant for classification: 2996-92-1 trimethoxyphenylsilane	
May be harmful in contact with skin.         Harmful if swallowed or if inhaled.         LD/LC50 values that are relevant for classification:         2996-92-1 trimethoxyphenylsilane         Oral       LD50         1049 mg/kg (rat)	
May be harmful in contact with skin. Harmful if swallowed or if inhaled.LD/LC50 values that are relevant for classification:2996-92-1 trimethoxyphenylsilaneOralLD501049 mg/kg (rat)18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctane	
May be harmful in contact with skin. Harmful if swallowed or if inhaled.LD/LC50 values that are relevant for classification:2996-92-1 trimethoxyphenylsilaneOralLD501049 mg/kg (rat)18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctaneInhalativeLC50/4h2 ppm (rat) (4h)	
May be harmful in contact with skin.         Harmful if swallowed or if inhaled.         LD/LC50 values that are relevant for classification:         2996-92-1 trimethoxyphenylsilane         Oral       LD50         1049 mg/kg (rat)         18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctane         Inhalative       LC50/4h         2 ppm (rat) (4h)         Primary irritant effect:	et.
May be harmful in contact with skin.         Harmful if swallowed or if inhaled.         LD/LC50 values that are relevant for classification:         2996-92-1 trimethoxyphenylsilane         Oral       LD50         1049 mg/kg (rat)         18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctane         Inhalative       LC50/4h         2 ppm (rat) (4h)         Primary irritant effect:         On the skin: Based on available data, the classification criteria are not me         On the eye: Based on available data, the classification criteria are not me	
May be harmful in contact with skin.         Harmful if swallowed or if inhaled.         LD/LC50 values that are relevant for classification:         2996-92-1 trimethoxyphenylsilane         Oral       LD50         18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctane         Inhalative       LC50/4h         2 ppm (rat) (4h)         Primary irritant effect:         On the skin: Based on available data, the classification criteria are not metodon to material are not metodon.	
May be harmful in contact with skin.         Harmful if swallowed or if inhaled.         LD/LC50 values that are relevant for classification:         2996-92-1 trimethoxyphenylsilane         Oral       LD50         1049 mg/kg (rat)         18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctane         Inhalative       LC50/4h         2 ppm (rat) (4h)         Primary irritant effect:         On the skin: Based on available data, the classification criteria are not me         On the eye: Based on available data, the classification criteria are not me         Sensitization: Sensitization possible through skin contact.	
May be harmful in contact with skin. Harmful if swallowed or if inhaled.LD/LC50 values that are relevant for classification:2996-92-1 trimethoxyphenylsilaneOralLD501049 mg/kg (rat)18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctaneInhalativeLC50/4h2 ppm (rat) (4h)Primary irritant effect: On the skin: Based on available data, the classification criteria are not me Sensitization: Sensitization possible through skin contact.Carcinogenic categoriesIARC (International Agency for Research on Cancer):	
May be harmful in contact with skin. Harmful if swallowed or if inhaled.LD/LC50 values that are relevant for classification:2996-92-1 trimethoxyphenylsilaneOralLD501049 mg/kg (rat)18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctaneInhalativeLC50/4h2 ppm (rat) (4h)Primary irritant effect: On the skin: Based on available data, the classification criteria are not me On the eye: Based on available data, the classification criteria are not me Sensitization: Sensitization possible through skin contact.Carcinogenic categories	
May be harmful in contact with skin. Harmful if swallowed or if inhaled.LD/LC50 values that are relevant for classification:2996-92-1 trimethoxyphenylsilaneOralLD501049 mg/kg (rat)18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctaneInhalativeLC50/4h2 ppm (rat) (4h)Primary irritant effect: On the skin: Based on available data, the classification criteria are not me Sensitization: Sensitization possible through skin contact.Carcinogenic categoriesIARC (International Agency for Research on Cancer): None of the ingredients are listed.	
May be harmful in contact with skin. Harmful if swallowed or if inhaled.LD/LC50 values that are relevant for classification:2996-92-1 trimethoxyphenylsilaneOralLD501049 mg/kg (rat)18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctaneInhalativeLC50/4h2 ppm (rat) (4h)Primary irritant effect: On the skin: Based on available data, the classification criteria are not me Sensitization: Sensitization possible through skin contact.Carcinogenic categoriesIARC (International Agency for Research on Cancer): None of the ingredients are listed.	
May be harmful in contact with skin. Harmful if swallowed or if inhaled.LD/LC50 values that are relevant for classification:2996-92-1 trimethoxyphenylsilaneOralLD501049 mg/kg (rat)18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctaneInhalativeLC50/4h2 ppm (rat) (4h)Primary irritant effect:On the skin: Based on available data, the classification criteria are not meOn the eye: Based on available data, the classification criteria are not meSensitization: Sensitization possible through skin contact.Carcinogenic categoriesIARC (International Agency for Research on Cancer): None of the ingredients are listed.NTP (National Toxicology Program): None of the ingredients are listed.	
May be harmful in contact with skin. Harmful if swallowed or if inhaled.LD/LC50 values that are relevant for classification:2996-92-1 trimethoxyphenylsilaneOralLD501049 mg/kg (rat)18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctaneInhalativeLC50/4h2 ppm (rat) (4h)Primary irritant effect:On the skin: Based on available data, the classification criteria are not meOn the eye: Based on available data, the classification criteria are not meSensitization: Sensitization possible through skin contact.Carcinogenic categoriesIARC (International Agency for Research on Cancer): None of the ingredients are listed.NTP (National Toxicology Program): None of the ingredients are listed.	
May be harmful in contact with skin.         Harmful if swallowed or if inhaled.         LD/LC50 values that are relevant for classification:         2996-92-1 trimethoxyphenylsilane         Oral       LD50       1049 mg/kg (rat)         18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctane         Inhalative       LC50/4h       2 ppm (rat) (4h)         Primary irritant effect:       On the skin: Based on available data, the classification criteria are not me         On the eye: Based on available data, the classification criteria are not me         Sensitization: Sensitization possible through skin contact.         Carcinogenic categories         IARC (International Agency for Research on Cancer):         None of the ingredients are listed.         NTP (National Toxicology Program):         None of the ingredients are listed.         OSHA-Ca (Occupational Safety & Health Administration):         None of the ingredients are listed.	
May be harmful in contact with skin.         Harmful if swallowed or if inhaled.         LD/LC50 values that are relevant for classification:         2996-92-1 trimethoxyphenylsilane         Oral       LD50       1049 mg/kg (rat)         18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctane         Inhalative       LC50/4h       2 ppm (rat) (4h)         Primary irritant effect:       On the skin: Based on available data, the classification criteria are not me         On the skin: Based on available data, the classification criteria are not me       Sensitization: Sensitization possible through skin contact.         Carcinogenic categories       IARC (International Agency for Research on Cancer):         None of the ingredients are listed.       NTP (National Toxicology Program):         None of the ingredients are listed.       OSHA-Ca (Occupational Safety & Health Administration):         None of the ingredients are listed.       Probable route(s) of exposure:         Ingestion.       Nof exposure:	
May be harmful in contact with skin. Harmful if swallowed or if inhaled. <b>LD/LC50 values that are relevant for classification:</b> <b>2996-92-1 trimethoxyphenylsilane</b> Oral LD50 1049 mg/kg (rat) <b>18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctane</b> Inhalative LC50/4h 2 ppm (rat) (4h) <b>Primary irritant effect:</b> On the skin: Based on available data, the classification criteria are not me <b>On the eye:</b> Based on available data, the classification criteria are not me <b>Sensitization:</b> Sensitization possible through skin contact. <b>Carcinogenic categories</b> <b>IARC (International Agency for Research on Cancer):</b> None of the ingredients are listed. <b>NTP (National Toxicology Program):</b> None of the ingredients are listed. <b>OSHA-Ca (Occupational Safety &amp; Health Administration):</b> None of the ingredients are listed. <b>Probable route(s) of exposure:</b> Ingestion. Inhalation.	
Harmful if swallowed or if inhaled.         LD/LC50 values that are relevant for classification:         2996-92-1 trimethoxyphenylsilane         Oral       LD50       1049 mg/kg (rat)         18406-41-2 3,3,6,6-tetramethoxy-2,7-dioxa-3,6-disilaoctane         Inhalative       LC50/4h       2 ppm (rat) (4h)         Primary irritant effect:       On the skin: Based on available data, the classification criteria are not me         On the eye: Based on available data, the classification criteria are not me         Sensitization: Sensitization possible through skin contact.         Carcinogenic categories         IARC (International Agency for Research on Cancer):         None of the ingredients are listed.         OSHA-Ca (Occupational Safety & Health Administration):         None of the ingredients are listed.         Probable route(s) of exposure:         Ingestion.	

Revision: January 3, 2022

#### Trade name: DOT Protect Part A

(Cont'd. of page 8)

- · Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.

· Reproductive toxicity: Suspected of damaging fertility or the unborn child.

• STOT-single exposure: May cause damage to the central nervous system and optic nerve.

#### · STOT-repeated exposure:

May cause damage to the bladder through prolonged or repeated exposure. Route of exposure: Oral.

• Aspiration hazard: Based on available data, the classification criteria are not met.

### **12 Ecological information**

### <sup>·</sup> Toxicity

· Aquatic toxicity No relevant information available.

- · Persistence and degradability Biodegradable.
- · Bioaccumulative potential: No relevant information available.
- Mobility in soil: No relevant information available.

Additional ecological information

- · General notes: Avoid release to the environment.
- · Other adverse effects No relevant information available.

### 13 Disposal considerations

### <sup>·</sup> Waste treatment methods

### · Recommendation:

Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

### <sup>·</sup> Uncleaned packagings

• **Recommendation:** Disposal must be made according to official regulations.

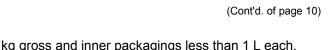
· UN-Number	
· DOT, ADR, IMDG, IATA	UN1993
<sup>·</sup> UN proper shipping name	
DOT	Flammable liquids, n.o.s. (trimethoxy(methyl)silan cyclohexyl trimethoxysilane)
· ADR, IMDG	FLAMMABLE LIQUID, N.O.S. (trimethoxy(methy silane, cyclohexyl trimethoxysilane)
·IATA	Flammable liquid, n.o.s. (trimethoxy(methyl)silan cyclohexyl trimethoxysilane)

Revision: January 3, 2022

	(Cont'd. of pa
Transport hazard class(es)	
DOT	
· Class	3 Flammable liquids
· Label	3
ADR	
· Class · Label	3 (F1) Flammable liquids 3
Class	3 Flammable liquids
· Label	3
<sup>·</sup> Packing group · DOT, ADR, IMDG, IATA	Ш
<sup>·</sup> Environmental hazards <sup>·</sup> Marine pollutant:	No
<ul> <li>Special precautions for user</li> <li>Danger code (Kemler):</li> </ul>	Warning: Flammable liquids 33
· EMS Number:	F-E, <u>S-E</u>
Transport in bulk according to Ann	ex II of
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
· DOT	
Limited Quantity for packages les	ss than 30 kg gross and inner packagings less than 1 L each.
$\bullet$	
· ADR	
Limited Quantity for packages les	ss than 30 kg gross and inner packagings less than 1 L each.
•	
·IMDG	

Revision: January 3, 2022

### Trade name: DOT Protect Part A



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L each.

· IATA



Limited Quantity for packages less than 30 kg gross and inner packagings less than 0.5 L each / 1 L net.

### **15 Regulatory information**

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

· United States (USA)

· SARA

· Section 302 (extremely hazardous substances):

None of the ingredients are listed.

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

67-56-1 methanol

• TSCA (Toxic Substances Control Act)

All ingredients are listed.

Proposition 65 (California)

· Chemicals known to cause cancer:

None of the ingredients are listed.

• Chemicals known to cause developmental toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

67-56-1 methanol

· EPA (Environmental Protection Agency):

None of the ingredients are listed.

· IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

### **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.

(Cont'd. on page 12)

Revision: January 3, 2022

(Cont'd. of page 11)
· Abbreviations and acronyms:
ADR: 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
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 and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Lig. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
Skin Sens. 1: Skin sensitisation – Category 1
Repr. 2: Reproductive toxicity – Category 2
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT SE 2: Specific target organ toxicity (single exposure) – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
· Sources
Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/
overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN:
978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers
Salety Data Sheets, individual Manufacturers
SDS Prepared by:
ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Website: www.chemtelinc.com