....

# Safety Data Sheet acc. to OSHA HCS

Printing date 03/05/2019

1 Identification			
Product identifier			
• <u>Trade name:</u>	STANDARD Flow	wing Polyester Adhesive	
Article number:     Application of the substance (the		ving Polyester Adhesive	
<ul> <li>Application of the substance / the mixture</li> </ul>		Reactive Resin Adhesive	
· Details of the supplier of the sa	fety data sheet		
• Manufacturer/Supplier:	InnoChem LLC 6300 Button Gwir	nnett Dr	Phone: 770-409-8789 Fax: 770-409-9096 e-mail info@innochemllc.com
	Atlanta, GA 3034	0	
<ul> <li>Information department:</li> </ul>	Laboratory		
Emergency telephone number:	Refer to Manufac	turer / Supplier	
2 Hazard(s) identification			
· Classification of the substance	or mixture		
GHS02 Flame			
Flam. Liq. 3 H226 Flammable liqu	iid and vapor.		
GHS08 Health hazard			
Carc. 2 H351 Suspected of c Repr. 2 H361 Suspected of c	•	the unbern child	
STOT RE 2 H373 May cause dan			repeated exposure.
GHS07			
STOT SE 3 H335 May cause resp	piratory irritation.		
· Label elements			
· GHS label elements		assified and labeled according	ng to the Globally Harmonized
Hazard pictograms	System (GHS).		
<u>· · · · · · · · · · · · · · · · · · · </u>	<u> (%)(!</u> )		
		7 GHS08	
<ul> <li><u>Signal word</u></li> </ul>	Warning		
Hazard-determining components     of lobaling:	aturana		
of labeling: · <u>Hazard statements</u>	styrene H226 Flammable	liquid and vapor.	
		of causing cancer.	we shill d
		of damaging fertility or the unl respiratory irritation.	born child.
	H373 May cause		s through prolonged or repeated
· Precautionary statements	exposure. P210		s/open flames/hot surfaces No
	P260	smoking. Do not breathe vapours.	
	P280	Wear protective gloves/prot	ective clothing/eye protection/face
		protection.	(Contd. on page 2)

\*

4

# Safety Data Sheet acc. to OSHA HCS

Printing date 03/05/2019

Reviewed on 03/05/2019

Trade name: STANDARD Flow	ving Polyester Adhesive	
	(Co P303+P361+P353 If on skin (or hair): Take off immediately all contan clothing. Rinse skin with water/shower. P305+P351+P338 If in eyes: Rinse cautiously with water for seve Remove contact lenses, if present and easy to d rinsing. P314 Get medical advice/attention if you feel unwell. P403+P233 Store in a well-ventilated place. Keep container tig P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/container in accordance w regional/national/international regulations.	ral minutes. o. Continue htly closed.
<ul> <li>Classification system:</li> <li>NFPA ratings (scale 0 - 4)</li> </ul>	Health = 0 Fire = 3 Reactivity = 0	
· <u>HMIS-ratings (scale 0 - 4)</u>	HEALTH 0 Health = 0 FIRE 3 Fire = 3 REACTIVITY 0 Reactivity = 0	
· Other hazards	During processing and product hardening the network generator is r fume. Consequently, take care for adequate air conditioning and for f	
<ul> <li>Results of PBT and vPvB as</li> </ul>	exhaustion on request. sessment	
• <u>PBT:</u> • <u>vPvB:</u>	Not applicable. Not applicable.	
3 Composition/information o	-	
<u>Description:</u>	Mixture of the substances listed below with nonhazardous additions.	
Dangerous components:		
CAS: 100-42-5 EINECS: 202-851-5	styrene	25-50%
Index number: 601-026-00-0		
<ul> <li>Additional information:</li> </ul>	For the wording of the listed hazard phrases refer to section 16.	
4 First-aid measures		
· Description of first aid mea	asures	
<ul> <li>General information:</li> </ul>	Take affected persons out into the fresh air.	
	Position and transport stably on side. Immediately remove any clothing soiled by the product.	
	Symptoms of poisoning may even occur after several hours; therefore	e medical
After inhelation:	observation for at least 48 hours after the accident.	tiont worm
<u>After inhalation:</u>	Supply fresh air. If required, provide artificial respiration. Keep par Consult doctor if symptoms persist.	lient wann.
	In case of unconsciousness place patient stably in side position for	
After skin contact:	transportation. If skin irritation continues, consult a doctor.	
- AIGI SKIII UUIILAUL.	Immediately wash with water and soap and rinse thoroughly.	
<u>After eye contact:</u>	Rinse opened eye for several minutes under running water. If sympto consult a doctor.	ms persist,
After swallowing:	If symptoms persist consult doctor.	
Information for doctor:	With reference to section 2 the formulation contains styrene in the	
	mass concentration range. Styrene fumes will preferably be inco inhalation via respiratory tract, skin resorption is currently considered a	
	way of incorporation. In case of inhalation styrene is absorbed in a 60	)-
	(Co	ntd. on page 3)

Printing date 03/05/2019

Reviewed on 03/05/2019

#### **Trade name: STANDARD Flowing Polyester Adhesive**

Trade name. OTANDARD Howing I	
	(Contd. of page 2)
	90% range. Distribution in organism occurs rapidly, the maximum blood concentration can be analyzed after one hour after incorporation. Styrene exposition affects skin, mucous membranes, and central nervous system (CNS).
	Acute damages / risks to health:
	In case of styrene poisoning mainly damages to and interactions with central nervous system (CNS) arise. In concentration ranges above 200 ml/m3 symptoms such as fatigue, nausea, imbalance and prolonged response times are observed. Chronical health risks:
	Effects at central and peripheral nervous system and respiratory tract are evident in literature. Main health risks are:
	- prolonged response times
	<ul> <li>reduced cognitive performance, partial amnesia</li> <li>retardation of nervous impulse transition speed</li> <li>disturbances of pulmonary function</li> </ul>
Most important symptoms and	
effects, both acute and delayed	Breathing difficulty Headache
	Dizziness
	Coughing
	Nausea
<ul> <li><u>Danger</u></li> <li><u>Indication of any immediate</u></li> </ul>	Danger of impaired breathing.
medical attention and special	
treatment needed	If swallowed, gastric irrigation with added, activated carbon.
5 Fire-fighting measures <ul> <li>Extinguishing media</li> <li>Suitable extinguishing agents:</li> </ul>	CO2, extinguishing powder or water spray. Fight larger fires with water spray or
	alcohol resistant foam.
<u>For safety reasons unsuitable</u> <u>extinguishing agents:</u>	Water with full jet
<ul> <li>Special hazards arising from the substance or mixture</li> </ul>	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)
	Nitrogen oxides (NOx)
· Advice for firefighters	In certain fire conditions, traces of other toxic gases cannot be excluded.
Protective equipment:	Wear self-contained respiratory protective device.
	Do not inhale explosion gases or combustion gases. Wear fully protective suit.
· Additional information	Mount respiratory protective device. Dispose of fire debris and contaminated fire fighting water in accordance with
	official regulations. Collect contaminated fire fighting water separately. It must not enter the sewage system.
6 Accidental release measures	
· Personal precautions, protective	
equipment and emergency	
procedures	Ensure adequate ventilation Keep away from ignition sources
	Use respiratory protective device against the effects of fumes/dust/aerosol.

Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away.

Printing date 03/05/2019

# Safety Data Sheet acc. to OSHA HCS

Reviewed on 03/05/2019

### Trade name: STANDARD Flowing Polyester Adhesive

	(Contd. of page 3)	
<ul> <li>Environmental precautions:</li> </ul>	Do not allow product to reach sewage system or any water course.	
	Inform respective authorities in case of seepage into water course or sewage	
	system.	
	Do not allow to enter sewers/ surface or ground water.	
Matheada and material for	Do not allow to enter sewers/ surface of glound water.	
<ul> <li>Methods and material for</li> </ul>		
containment and cleaning up:	Dispose of the collected material according to regulations.	
	Absorb with liquid-binding material (sand, diatomite, acid binders, universal	
	binders, sawdust).	
	Dispose contaminated material as waste according to item 13.	
	Ensure adequate ventilation.	
<ul> <li>Reference to other sections</li> </ul>	See Section 7 for information on safe handling.	
	See Section 8 for information on personal protection equipment.	
	See Section 13 for disposal information.	
· Protective Action Criteria for Chemicals		
· PAC-1:		

<u>1 AO 1.</u>		
100-42-5	styrene	20 ppm
67762-90-7	Siloxane und Silicone, di-Me, Reaktionsprodukt mit Silica	120 mg/m <sup>3</sup>
• <u>PAC-2:</u>		
100-42-5		30 ppm
67762-90-7	Siloxane und Silicone, di-Me, Reaktionsprodukt mit Silica	,300 mg/m³
• <u>PAC-3:</u>		
100-42-5	styrene 1	100* ppm
67762-90-7	Siloxane und Silicone, di-Me, Reaktionsprodukt mit Silica 7	7,900 mg/m³

#### 7 Handling and storage

<ul> <li><u>Handling:</u></li> </ul>
Precautions for safe

<u>nananng.</u>	
Precautions for safe handling	Keep receptacles tightly sealed.
	Store in cool, dry place in tightly closed receptacles.
	Keep away from heat and direct sunlight.
	Ensure good interior ventilation, especially at floor level. (Fumes are heavier
	than air).
	Use only in well ventilated areas.
	Ensure good ventilation/exhaustion at the workplace.
<ul> <li>Information about protection</li> </ul>	
against explosions and fires:	Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

### · Conditions for safe storage, including any incompatibilities

<u></u>	
<ul> <li><u>Storage:</u></li> </ul>	
<ul> <li>Requirements to be met by</li> </ul>	
storerooms and receptacles:	Store only in the original receptacle.
	Prevent any seepage into the ground.
<ul> <li>Information about storage in one</li> </ul>	
common storage facility:	Store away from oxidizing agents.
	Store away from foodstuffs.
Further information about storage	
conditions:	Store receptacle in a well ventilated area.
	Keep receptacle tightly sealed.
Storage class:	3
<ul> <li>Specific end use(s)</li> </ul>	No further relevant information available.

### 8 Exposure controls/personal protection

<ul> <li>Additional information about</li> </ul>	
design of technical systems:	No further data; see item 7.

Printing date 03/05/2019

Reviewed on 03/05/2019

### **<u>Trade name:</u>** STANDARD Flowing Polyester Adhesive

	(Contd. of page 4)
Control parameters	
	require monitoring at the workplace:
100-42-5 styrenePELLong-term value: 100 ppmCeiling limit value: 200; 600**5-min peak in any 3 hrs	
REL Short-term value: 425 mg/m <sup>3</sup> Long-term value: 215 mg/m <sup>3</sup>	, 50 ppm
TLV Short-term value: (170) mg/n Long-term value: (85) NIC-8. BEI, NIC-A3, NIC-OTO	
<ul> <li>Ingredients with biological limit value</li> </ul>	ues:
100-42-5 styrene	
BEI 400 mg/g creatinine Medium: urine Time: end of shift Parameter: Mandelic acid plus	s phenylglyoxylic acid (nonspecific)
0.2 mg/L Medium: venous blood Time: end of shift Parameter: Styrene (semi-qua	antitative)
<ul> <li>Additional information:</li> </ul>	The lists that were valid during the creation were used as basis.
<ul> <li>Exposure controls</li> <li>Personal protective equipment:</li> <li>General protective and hygienic</li> </ul>	
<u>measures:</u>	Do not eat, drink, smoke or sniff while working. Use skin protection cream for skin protection. Clean skin thoroughly immediately after handling the product. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.
<u>Breathing equipment:</u>	Short term filter device: Filter A/P2 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
<ul> <li>Protection of hands:</li> </ul>	After use of gloves apply skin-cleaning agents and skin cosmetics. Preventive skin protection by use of skin-protecting agents is recommended. The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory anylyses of the company KCL GmbH in compliance with EN374. This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: http://www.kcl.de). (Contd. on page 6)

Printing date 03/05/2019

Reviewed on 03/05/2019

### **<u>Trade name:</u>** STANDARD Flowing Polyester Adhesive

	(Contd. of page 5)	
	Protective gloves	
<ul> <li><u>Material of gloves</u></li> </ul>	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Fluorocarbon rubber (Viton) 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.	
<ul> <li>Penetration time of glove material</li> </ul>	Value for the permeation: Level $\leq 6$ , 480min The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.	
• For the permanent contact gloves		
made of the following materials are		
suitable:	_ Fluorocarbon rubber (Viton) Vitoject (KCL, Art_No. 890)	
<u>As protection from splashes gloves</u> <u>made of the following materials are</u> <u>suitable:</u>		
<ul> <li>Not suitable are gloves made of the following materials:</li> </ul>	Butoject (KCL, Art_No. 897, 898) Natural rubber, NR	
	Leather gloves Strong gloves	
<ul> <li>Eye protection:</li> </ul>		
	Tightly sealed goggles	
<u>Body protection:</u>	Protective work clothing	
9 Physical and chemical properties		
· Information on basic physical a	nd chemical properties	
General Information		
· Appearance:		
Form:	Fluid	
<u>Color:</u>	Amber colored	
· <u>Odor:</u>	Characteristic	
<u>Change in condition</u>		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	145 °C (293 °F)	
• <u>Flash point:</u>	31 °C (87.8 °F)	
<ul> <li>Ignition temperature:</li> </ul>	480 °C (896 °F)	
<u>Auto igniting:</u>	Product is not selfigniting.	

Printing date 03/05/2019

Reviewed on 03/05/2019

#### Trade name: STANDARD Flowing Polyester Adhesive

	(Contd. of page 6)
<ul> <li>Danger of explosion:</li> </ul>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
<ul> <li>Explosion limits: Lower: Upper:</li> </ul>	1.2 Vol % 8.9 Vol %
<ul> <li>Vapor pressure at 20 °C (68 °F):</li> </ul>	6 hPa (4.5 mm Hg)
Density at 20 °C (68 °F):	1.1 g/cm <sup>3</sup> (9.18 lbs/gal)
Specific gravity at 20 °C (68 °F):	1.1 g/cm <sup>3</sup> (9.18 lbs/gal)
<ul> <li><u>Solubility in / Miscibility with</u> <u>Water:</u></li> </ul>	Not miscible or difficult to mix.
· <u>Viscosity:</u> <u>Dynamic:</u> <u>Kinematic:</u>	Not determined. Not determined.
<u>Solvent content:</u> <u>Organic solvents:</u>	33.3 %
Solids content: • Other information	66.8 % No further relevant information available.

### 10 Stability and reactivity

10 Stability and reactivity				
<u>Reactivity</u> <u>Chemical stability</u>	No further relevant information available.			
<ul> <li><u>Thermal decomposition /</u> <u>conditions to be avoided:</u></li> <li><b>Possibility of hazardous</b></li> </ul>	No decomposition if used and stored according to specifications.			
reactions	Exothermic polymerization.			
	Reacts with strong oxidizing agents.			
	Reacts with strong alkali.			
	Reacts with strong acids.			
	Reacts with peroxides and other radical forming substances.			
<ul> <li>Conditions to avoid</li> </ul>	No further relevant information available.			
<ul> <li>Incompatible materials:</li> </ul>	No further relevant information available.			
<ul> <li>Hazardous decomposition</li> </ul>				
products:	Hydrogen chloride (HCI)			
	Nitrogen oxides (NOx)			
	Carbon monoxide and carbon dioxide			

Possible in traces.

#### **11 Toxicological information**

- · Information on toxicological effects
- · Acute toxicity:

|--|

#### ATE (Acute Toxicity Estimate)

Oral	LD50	>6,015 mg/kg (rat)
Dermal	LD50	>5,229 mg/kg (rat)
Inhalative	LC50/4 h	35.5 mg/l (rat)

#### 100-42-5 styrene

Oral	LD50	>2,000 mg/kg (rat)	
Dermal	LD50	>2,000 mg/kg (rat) (OECD-Prüfrichtlinie 402)	

(Contd. on page 8) US

Printing date 03/05/2019

Reviewed on 03/05/2019

### **<u>Trade name:</u>** STANDARD Flowing Polyester Adhesive

	(Contd. of page 7)	
Inhalative LC50/4h	9.5 mg/m3 (mouse)	
LC50/4 h	11.8 mg/l (rat)	
NOAEC	4.34 mg/l (rat)	
<ul> <li>Primary irritant effect</li> </ul>		
<ul> <li><u>on the skin:</u></li> </ul>	Irritant to skin and mucous membranes.	
<ul> <li><u>on the eye:</u></li> </ul>	Irritating effect.	
<ul> <li>Sensitization:</li> </ul>	Sensitization possible through skin contact.	
Experience with hurr	the organism to mandelic and phenylglyoxylic acid and matabolites will pass	
	through urine excretion.	
<ul> <li>Additional toxicologic</li> </ul>		
information:	The product shows the following dangers according to internally approved calculation methods for preparations:	
	Harmful	
	Irritant	
<ul> <li>Carcinogenic catego</li> </ul>	ries	
<ul> <li>IARC (International A</li> </ul>	Agency for Research on Cancer)	
100-42-5 styrene	2B	
<u>NTP (National Toxicology Program)</u>		
100-42-5 styrene	R	
OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredie	nts is listed.	

### 12 Ecological information

\*

· Toxicity	
<ul> <li>Aquatic tox</li> </ul>	icity:
100-42-5 st	tyrene
EC50/96h	0.15-3.2 mg/l (Pseudokirchneriella subcapitata)
EC50	500 mg/l (BES) (ISO Vorschrift 8192-1986 E)
	5.5 mg/l (Photobac. phosphoreum)
IC50/72h	4.9 mg/l (green alge)
	1.4 mg/l (selenastrum capricornutum)
IC5/8d	>200 mg/l (Scenedesmus quadricauda)
EC10/16h	72 mg/l (pseudomonas putida)
EC50/16h	>72 mg/l (pseudomonas putida)
EC50/8d	>200 mg/l (Scenedesmus quadricauda)
EC50/72u	>1-<10 mg/l (green alge)
EC20/0.5h	140 mg/l (BES) (OECD 209)
NOEC/21d	1.01 mg/l (daphnia magna)
EC10	0.28 mg/l (Pseudokirchneriella subcapitata) (EPA OTS 797.1050)
EC50/48h	0.56 mg/l (green alge)
	3.3-7.4 mg/l (daphnia magna)
EC50/72h	0.46-4.3 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	>1-<10 mg/l (piscis)
	19.03-33.53 mg/l (lem)
	3.24-4.99 mg/l (pimephales promelas)
	6.75-14.5 mg/l (Pimephales promelas)
	58.75-95.32 mg/l (poecilia reticulata)
LC50/72h	4.9 mg/l (green alge)
	(Contd. on page 9

Printing date 03/05/2019

Reviewed on 03/05/2019

### Trade name: STANDARD Flowing Polyester Adhesive

Irade name: STANDARD Flowing Polyester Adnesive				
· Persistence and degradability	(Contd. of page 8) No further relevant information available.			
Behavior in environmental syste <u>Bioaccumulative potential</u> <u>Mobility in soil</u>	No further relevant information available. No further relevant information available.			
Additional ecological informatio     General notes:     Results of PBT and vPvB assess	Water hazard class 2 (Self-assessment): hazardous for water sment			
· <u>PBT:</u> · <u>vPvB:</u> · <u>Other adverse effects</u>	Not applicable. Not applicable. No further relevant information available.			
13 Disposal considerations				
<ul> <li><u>Waste treatment methods</u></li> <li><u>Recommendation:</u></li> </ul>	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.			
<u>Uncleaned packagings:</u> <u>Recommendation:</u>	Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.			
<u>Recommended cleansing agent:</u>	Alcohol			
14 Transport information       • UN-Number       • DOT ADD INDO 1474				
• DOT, ADR, IMDG, IATA     • UN proper shipping name	UN1866			
· <u>DOT</u> · <u>ADR</u> · <u>IMDG, IATA</u>	Resin solution 1866 RESIN SOLUTION RESIN SOLUTION			
• Transport hazard class(es)				
- <u>DOT, IMDG, IATA</u>				
· <u>Class</u> · <u>Label</u>	3 Flammable liquids 3			
· <u>ADR</u>				
· <u>Class</u> · <u>Label</u>	3 (F1) Flammable liquids 3			
· <u>Packing group</u> · <u>DOT, ADR, IMDG, IATA</u>	III			
Environmental hazards:     Marine pollutant:	No			
Special precautions for user     Danger code (Kemler):	Warning: Flammable liquids			
• EMS Number:	F-E, <u>S-E</u>			
	(Contd. on page 10) US			

### Safety Data Sheet

acc. to OSHA HCS

Printing date 03/05/2019

Reviewed on 03/05/2019

#### **Trade name: STANDARD Flowing Polyester Adhesive**

		(Contd. of page 9)
<u>Stowage Category</u>	A	
<ul> <li>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>	<u>of</u> Not applicable.	
· Transport/Additional information:		
<ul> <li><u>ADR</u></li> <li><u>Excepted quantities (EQ)</u></li> </ul>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml	
<ul> <li>IMDG</li> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> </ul>	5L Code: See SP340	
· <u>UN "Model Regulation":</u>	UN 1866 RESIN SOLUTION, 3, III	

#### 15 Regulatory information

#### • <u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u> • <u>Sara</u>

· Sectior 355 (extremely hazardous substances):

None of the ingredient is listed.

· Sectior 313 (Specific toxic chemical listings):

100-42-5 styrene

<u>TSCA (Toxic Substances Control Act):</u>

All ingredients are listed. • California Prop.65



WARNING This product can expose you to a chemical, Styrene, which is known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

<u>Proposition 65</u>		
Chemicals known to cause cancer:		
100-42-5 styrene		
Chemicals known to cause reprodu	active toxicity for females:	
None of the ingredients is listed.		
Chemicals known to cause reprodu	active toxicity for males:	
None of the ingredients is listed.		
Chemicals known to cause develop	omental toxicity:	
None of the ingredients is listed.		
· Cancerogenity categories		
EPA (Environmental Protection Age	ency)	
None of the ingredients is listed.		
· TLV (Threshold Limit Value establis	shed by ACGIH)	
100-42-5 styrene	A4	
• MAK (German Maximum Workplac	e Concentration)	
100-42-5 styrene	5	
· 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).	

Printing date 03/05/2019

Reviewed on 03/05/2019

Trade name: STANDARD Flowing Polyester Adhesive			
· <u>Hazard pictograms</u>		(Contd. of page 10)	
	GHS02 GHS07 G	HS08	
· <u>Signal word</u>	Warning		
Hazard-determining components	C C		
of labeling:	styrene		
Hazard statements	H226 Flammable I		
	H351 Suspected of H361 Suspected of	f damaging fertility or the unborn child.	
	H335 May cause r	espiratory irritation.	
	-	lamage to the hearing organs through prolonged or repeated	
Precautionary statements	exposure. P210	Keep away from heat/sparks/open flames/hot surfaces No	
<u>. roodulionaly olatomonio</u>	. 2.10	smoking.	
	P260	Do not breathe vapours.	
	P280	Wear protective gloves/protective clothing/eye protection/face protection.	
	P303+P361+P353	If on skin (or hair): Take off immediately all contaminated	
		clothing. Rinse skin with water/shower.	
	P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
	P314	Get medical advice/attention if you feel unwell.	
	P403+P233	Store in a well-ventilated place. Keep container tightly closed.	
	P403+P235 P405	Store in a well-ventilated place. Keep cool. Store locked up.	
	P501	Dispose of contents/container in accordance with local/ regional/national/international regulations.	
<ul> <li>National regulations:</li> </ul>			
<ul> <li>Information about limitation of use:</li> </ul>		ctions concerning young persons must be observed. ictions concerning pregnant and lactating women must be	
· Water hazard class:	Water hazard clas	s 2 (Self-assessment): hazardous for water.	
· <u>VOC USA</u>	365.8 g/l / 3.05 lb/g		
· Chemical safety assessment:		Assessment has not been carried out.	
16 Other information			
	resent knowledge. H	lowever, this shall not constitute a guarantee for any specific	
product features and shall not establish a legally valid contractual relationship.			
<ul> <li>Department issuing SDS:</li> </ul>	S: Laboratory		
	Date of preparation / last revision 03/05/2019 / 1		
<ul> <li><u>Abbreviations and acronyms:</u></li> </ul>	fer (Regulations Conce ICAO: International Civ ADR: Accord européer	ational concernant le transport des marchandises dangereuses par chemin de erning the International Transport of Dangerous Goods by Rail) ril Aviation Organisation a sur le transport des marchandises dangereuses par Route (European	
	IMDG: International Ma DOT: US Department of		
	IATA: International Air ACGIH: American Con	Transport Association ference of Governmental Industrial Hygienists	
	EINECS: European Inv	rentory of Existing Commercial Chemical Substances t 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) LC50: Lethal concentration, 50 percent

(Contd. on page 12)

Printing date 03/05/2019

Reviewed on 03/05/2019

#### **<u>Trade name:</u>** STANDARD Flowing Polyester Adhesive

		(Contd. of page 11)
	LD50: Lethal dose, 50 percent	,
	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. Liq. 3: Flammable liquids – Category 3	
	Acute Tox. 4: Acute toxicity – Category 4	
	Carc. 2: Carcinogenicity – Category 2	
	Repr. 2: Reproductive toxicity – Category 2	
	STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
	STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2	
	Asp. Tox. 1: Aspiration hazard – Category 1	
<ul> <li>International Product Registration</li> </ul>		
<u>Status</u>	AUS (Australian Inventory of Chemical Substances, AICS)	
	CDN (Canadian Domestic Substances List, DSL)	

CDN (Canadian Domestic Substances List, DSL) ROK (Korean Existing Chemical Inventory, ECI)

US