



STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
 Trade name : STYROSHIELD PRIMER
 Type of product : Coating
 CAS-No. : mixture
 Product code : 707-019
 Formula : na
 Product group : Trade product

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Dura Technologies, Inc.
 2720 South Willow Avenue #A
 Bloomington, CA 92316

909-546-1162
 ChemTrec US: 800.424.9300
 ChemTrec Int: +1 70 3527 3887

1.4. Emergency telephone number

Emergency number : ChemTrec US: 800.424.9300 Int: +1 70 3527 3887

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Proprietary Resin	POLYMER	(CAS-No.) TRADE SECRET	< 30	Not classified

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
2-hydroxyethyl methacrylate, stabilized	1,2-ethanediol mono(2-methyl)-2-propenoate / 1,2-ethanediol mono(2-methyl)-2-propenyl / 1,2-ethanediol mono(2-methylpropenoate) / 2-hydroxyethyl methacrylate / 2-hydroxyethyl-2-methyl-2-propenoate / 2-hydroxyethyl-2-methylpropenoate / 2-methyl-2-propenoic acid 2-hydroxyethyl ester / 2-propenoic acid, 2-methyl-, 2-hydroxyethyl ester / beta-hydroxyethylmethacrylate / BISOMER HEMA / ethylene glycol methacrylate / ethylene glycol monomethacrylate / ethylene glycol, monomethacrylate / glycol methacrylate / glycol monomethacrylate / HEMA / hydroxyethyl methacrylate / metacrylic acid, 2-hydroxyethyl ester / methacrylic acid 2-hydroxyethyl ester / methylpropenoic acid, hydroxyethyl ester / mhoromer / monomer MG-1 / monomethacrylic ether of ethylene glycol / Substances with a flash-point above 60 °C and not more than 100 °C / Substances with a flash-point above 60 °C and not more than 100 °C, which do not belong to another class	(CAS-No.) 868-77-9	<= 15	Not classified
acetone	2-propanon / 2-propanone / acetone / acetone NF / acetone oil / A13-01238 / Caswell No.004 / chevron acetone / dimethyl formaldehyde / dimethyl ketone / dimethylketal / Dimethylketon / DMK (=dimethyl ketone) / FEMA No 3326 / ketone propane / KTI acetone / methyl acetyl / pyroacetic acid / pyroacetic ether / pyroacetic spirit / STEC 4908105	(CAS-No.) 67-64-1	<= 14	Flam. Liq. 2, H225
2-propanol	1-methylethanol / 1-methylethyl alcohol / 2-hydroxypropane / 2-propanol / 2-propanol, anhydrous / 2-propyl alcohol / A13-01636 / alcojel / alcosolve / AVANTIN / AVANTINE / caswell No 507 / chromar (=2-propanol) / combi-schutz / CORONA WIRE CLEANER (=2-propanol) / CTL R-53 reducer / dimethyl carbinol / DISK DRIVE HEAD CLEANING KIT (=2-propanol) / ethyl carbinol / hartosol / hydroxypropane / imsol A / IPA SGL / IPA T1 / IPA USP / IPA, anhydrous / IPA-EG / isoethylcarbinol / isohol / isopropanol, anhydrous / isopropyl alcohol / isopropyl alcohol, anhydrous / KENCO #880-T FLUX THINNER (=2-propanol) / LENS CLENS #3 (=2-propanol) / lutosol / normal-propan-2-ol / n-propan-2-ol / perspirit / persprit / petrohol / PRO / productcode S1155 / propan-2-ol / propyl alcohol (=sec-propyl alcohol) / pseudo-propyl alcohol / secondary-propyl alcohol / sec-propanol / sec-propyl alcohol / spectrar / STCC 4904205 / sterisol hand disinfectant / takineocol / TEXPADS / visco 1152 / XEROX FILM REMOVER	(CAS-No.) 67-63-0	<= 14	Flam. Liq. 2, H225

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
talca	<p>agalite / agi talc, BC / alpine talc USP, BC127 / alpine talc USP, BC141 / alpine talc USP, BC662 / B 13 / B 13, mineral / B 9 (=talc) / beaver white 200 / beaver white 325 / blueline 200, talc / C.I. 77718 / ceramitalc / ceramitalc 10-A / ceramitalc HDT / ceramitalc no 1 / chematalc 10M, Incemin AG / cimflex 606 / circron MP / CP 10-40 / CP 38-33 / crown talc w83 / crown talc Z / crystalite CRS 6002 / CT 8 (mineral) / cubic master / desertalc 57 / desertall 57 / E 3410 / emtal 500 / emtal 549 / emtal 596 / emtal 599 / EX-IT / fibrene C400 / finntalc C10 / finntalc M05 / finntalc M15 / finntalc P40 / finntalc PF / french chalk / FW-XO / grade steamic OOS / hydrated magnesium silicate / hydrous magnesium silicate / IT extra / LMR 100 / LO micron talc 1 / LO micron talc BC1621 / LO micron talc USP, BC2755 / luzenac 10MOOS / luzenac 1445 / luzenac 20MOOS / luzenac A7 / luzenac M20 / luzenac OXO / luzenac SE MICRO / luzenac steam OOS / luzenac steamic OOS / magnesium silicate (3:4) / magnesium silicate, hydrate / magnesiumsilicate, hydrous / metro / metro talc 4604 / metro talc 4608 / metro talc 4609 / micro ACE K1 / micro ACE L1 / micron white 5000A / micron white 5000P / micron white 5000S / microtalco IT extra / mistron 139 / mistron 2SC / mistron frost P / mistron RCS / mistron star / mistron super frost / mistron vapor / mistron vapor RP6 / MP 12-50 / MP 25-38 / MP 40-27 / MP 45-26 / MP50-30 U16558lc / MST / mussolinite / naintsch A-7 / naintsch A-7C / nicron / nicron 100 compact, talc / nicron 100pwr, talc / nicron JS322, talc / no 907 metro talc / non-asbestiform talc / nonfibrous talc / nyal / nyal 100 / nyal 100HR / nyal 200 / nyal 300 / nyal 300H / nyal 400 / nyal 99 / OOS / OXO / P 3 / P 3, mineral / PK-C / PK-N / polytal 4641 / polytal 4725 / purtalc USP / SCLEROSOL / secupur antibloc / secupur nucleating / sierra C-400 / sierra mistron vapor compact, talc / sierra supreme USP, talc / silica acid, magnesium salt (4:3) / silica, talc, non asbestos / silicate:talc, containing no asbestos / silverline 200, talc / snowgoose / steamic OOS / steaplast 8502 / steawhite / sterline 400 / supreme / supreme dense / supreme, talc / talc (Mg3-H2-(SiO3)4) / Talc (Mg3H2(SiO3)4) / talc (powder), containing no asbestos fibers / talc lubricant / talc U.S.P. / talc, (industrial) / talc, non-asbestiform and less than 1% crystalline silica / talc, not containing asbestiform fibres / talc, not contaminated with more than 1% crystalline silica, asbestos fibres or asbestiform fibres / talc, powder / talcan PK-P / talcron CP44-31 / talcum / TDMCG-95, talc / tital 10, INCEMIN AG / tital 15 / trimagnesium tetrasiliscate / TY 80 / WESTMIN-EF66</p>	(CAS-No.) 14807-96-6	<= 13	Not classified
styrene, inhibited	benzene, ethenyl- / cinnamene / phenylethylene / styrene / styrene, monomer / styrol / vinylbenzene	(CAS-No.) 100-42-5	<= 10	Flam. Liq. 3, H226

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
fibreglass microspheres, diameter > 3 micrometers	ACS fibre / Continuous Filament Glass Fiber Products / glass, oxide, chemicals / microglass milled fiber - 3000 series / refractories, glass manuf. waste / silenka chopped strands type 8045 / soda lime borosilicate glass	(CAS-No.) 65997-17-3	<= 8	Not classified

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
titanium(IV) oxide	1700 WHITE / A051 / A072 / A351 / AC 1 / AC 11 / AC 5 / A-FIL CREAM / AJANTOX / AJANTOX AGP / AJANTOX GR / AJANTOX RUTILE / AN10 / ASD / ASTM D476 / ASTM D76 / atlas white titanium dioxide / AUSTIOX / AUSTIOX ADM / AUSTIOX AE / AUSTIOX AFN3 / AUSTIOX AHR / AUSTIOX ALF / AUSTIOX ALF2 / AUSTIOX APP / AUSTIOX APP2 / AUSTIOX GRANULAR / AUSTIOX RCR / AUSTIOX RCR10 / AUSTIOX RCR2 / AUSTIOX RCR3 / AUSTIOX RCR6 / AUSTIOX RCR60 / AUSTIOX RFC / AUSTIOX RFC2 / AUSTIOX RFC5 / AUSTIOX RHD / AUSTIOX RHD2 / AUSTIOX RHD3 / AUSTIOX RHD4 / AUSTIOX RHD6 / AUSTIOX RMC / AUSTIOX RSM / AUSTIOX RSM2 / AUSTIOX RSM3 / AUSTIOX RTC2 / AUSTIOX RTC30 / AUSTIOX RTC4 / AUSTIOX RTC4U / AUSTIOX RTC50 / AUSTIOX RTC90 / AUSTIOX RXL / AUSTIOX RXW / BAYER titan / BAYER titan A / BAYER titan A2 / BAYER titan AC5522 / BAYER titan AC5581 / BAYER titan AE / BAYER titan AN2 / BAYER titan AN3 / BAYER titan RCK20 / BAYER titan RCL10 / BAYER titan RCL20 / BAYER titan RD / BAYER titan RFD1 / BAYER titan RFD2 / BAYER titan RFDI / BAYER titan R-FK 21 / BAYER titan RFKD / BAYER titan RKB2 / BAYER titan RKB3 / BAYER titan RKB4 / BAYER titan RKBD / BAYER titan RPL1 / BAYER titan RU2 / BAYER titan RUF / BAYER titan T / BAYERITIAN / BAYTITAN / BETA-RUTILE / BROOKITE / C.I. 77891 / C.l. pigment white 6 / CABOT / CALCOTONE WHITE T / COSMETIC WHITE C47-5175 / COSMETIC WHITE C47-9623 / DETI-ANA / DETI-RU / E171 / ET 10 / FA50 / FA55W / FA65 / FA80 / FE150 / FE160 / FINN titan / FINN titan AG / FINN titan AN / FINN titan AP / FINN titan RD / FINN titan RD2 / FINN titan RDD / FINN titan RDDX / FINN titan RDE2 / FINN titan RDI / FINN titan RF / FINN titan RF2 / FINN titan RF2new / FINN titan RF4 / FINN titan RR / FINN titan RR2 / FINN titan RR2S / FINN titan RR3 / FINN titan RRL / FINN titan RU / FLAMENCO / FR22 / FR30 / FR31 / FR41 / FRUF84 / FUJI titan / FUJI titan TA100 / FUJI titan TA200 / FUJI titan TA210 / FUJI titan TA300 / FUJI titan TA400 / FUJI titan TA500 / FUJI titan TE / FUJI titan TP13 / FUJI titan TP2 / FUJI titan TP3 / FUJI titan TR700 / FUJI titan TR780 / FUJI titan TR840 / FURUKAWA / HOMBITAN / HOMBITAN KA / HOMBITAN LOCR / HOMBITAN LOCRK / HOMBITAN LOCRS / HOMBITAN LW / HOMBITAN LWS / HOMBITAN LWSU / HOMBITAN R101 / HOMBITAN R10106 / HOMBITAN R101D / HOMBITAN R110 / HOMBITAN R210 / HOMBITAN R301 / HOMBITAN R301D / HOMBITAN R320 / HOMBITAN R505 / HOMBITAN R506 / HOMBITAN R510 / HOMBITAN R511 / HOMBITAN R610 / HOMBITAN R610D / HOMBITAN R610K / HOMBITAN R610L / HOMBITAN R611 / HOMBITAN R611D / HOMBITAN R710 / HOMBITAN RCL22 / HOMBITAN RCL66 / HOMBITAN SA10 / HOMBITAN SR16 / HORSE HEAD / HORSE HEAD A-410 / HORSE HEAD A-420 / HORSE HEAD A430 / HORSE HEAD A430C / HORSE HEAD A430FG / HORSE HEAD	(CAS-No.) 13463-67-7	<= 7	Not classified
09/30/2019	EN (English US)			5/18

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
1,6-hexanediol diacrylate	1,6-hexanediol di-2-propenoate / 2-propenoic acid, 1,6-hexanediyl ester / acrylic acid hexamethylene ester / HDDA / HDODA / hexamethylene diacrylate / hexane-1,6-diol diacrylate / Iaromer HDDA	(CAS-No.) 13048-33-4	<= 5	Not classified
PROPRIETARY POLYMER MICROSPHERE	POLYMER	(CAS-No.) TRADE SECRET	<= 5	Not classified
cobalt(II) 2-ethylhexanoate	2-ethylhexanoic acid cobalt salt / CO 12 / cobalt 2-ethylhexoate / cobalt bis(2-ethylhexanoate) / cobalt octoate / cobaltous 2-ethylhexanoate / cobaltous octoate / Environmentally hazardous substance, solid, n.o.s. / hexanoic acid, 2-ethyl-, cobalt(2+) salt / NL 49P / NL 51P / NL 51S	(CAS-No.) 136-52-7	<= 0.9	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Call a poison center/doctor/physician if you feel unwell. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs: If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center/doctor/physician if you feel unwell.
First-aid measures general	: Never give anything by mouth to an unconscious person. Suspected of causing cancer. IF exposed or concerned: Get medical advice/attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.
Symptoms/effects after inhalation	: May cause an allergic skin reaction. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation. Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation. Eye irritation.
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Treat symptomatically.
-----------------------------------	--------------------------

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Sand. Water spray. Dry powder. Foam. Carbon dioxide.
------------------------------	--

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media	: Do not use a heavy water stream.
--------------------------------	------------------------------------

5.3. Specific hazards arising from the hazardous product

Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
Reactivity in case of fire	: No reactivity hazard other than the effects described in sub-sections below.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.2. Methods and materials for containment and cleaning up

For containment : Dam up the liquid spill. Contain released product, pump into suitable containers.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures : Wash hands, forearms and face thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep in fireproof place. Keep container tightly closed. Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

styrene, inhibited (100-42-5)		
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - ACGIH	ACGIH STEL (ppm)	40 ppm
Ontario	OEL STEL (ppm)	100 ppm
Ontario	OEL TWA (ppm)	35 ppm
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Saskatchewan	OEL STEL (ppm)	40 ppm
Saskatchewan	OEL TWA (ppm)	20 ppm
Saskatchewan	Notations and remarks	T20
titanium(IV) oxide (13463-67-7)		
USA - ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
Alberta	OEL TWA (mg/m ³)	10 mg/m ³
Alberta	Notations and remarks	LRT irr
Manitoba	OEL TWA (mg/m ³)	10 mg/m ³
Manitoba	Notations and remarks	LRT irr
New Brunswick	OEL TWA (mg/m ³)	10 mg/m ³
New Brunswick	Notations and remarks	LRT irr

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

titanium(IV) oxide (13463-67-7)		
Newfoundland & Labrador	OEL TWA (mg/m ³)	10 mg/m ³
Newfoundland & Labrador	Notations and remarks	LRT irr
Nova Scotia	OEL TWA (mg/m ³)	10 mg/m ³
Nova Scotia	Notations and remarks	LRT irr
Nunavut	OEL TWA (mg/m ³)	10 mg/m ³
Nunavut	Notations and remarks	LRT irr
Northwest Territories	OEL TWA (mg/m ³)	10 mg/m ³
Northwest Territories	Notations and remarks	LRT irr
Ontario	OEL TWA (mg/m ³)	10 mg/m ³
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA (mg/m ³)	10 mg/m ³
Prince Edward Island	Notations and remarks	LRT irr
Saskatchewan	OEL STEL (mg/m ³)	20 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	10 mg/m ³
talc (14807-96-6)		
USA - ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³ (Respirable fraction. The value is for particulate matter containing no asbestos and < 1% crystalline silica) 0.1 fibers/cm ³ (Respirable fibers: length > 5 µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination)
Alberta	OEL TWA (mg/m ³)	2 mg/m ³
Manitoba	OEL TWA (mg/m ³)	2 mg/m ³
New Brunswick	OEL TWA (mg/m ³)	2 mg/m ³
Newfoundland & Labrador	OEL TWA (mg/m ³)	2 mg/m ³
Nova Scotia	OEL TWA (mg/m ³)	2 mg/m ³
Nunavut	OEL TWA (mg/m ³)	2 mg/m ³
Northwest Territories	OEL TWA (mg/m ³)	2 mg/m ³
Ontario	OEL TWA (mg/m ³)	2 mg/m ³ 2 fiber/mL
Ontario	Notations and remarks	(R) (E) (K)
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA (mg/m ³)	2 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	2 mg/m ³
acetone (67-64-1)		
USA - ACGIH	ACGIH TWA (ppm)	250 ppm
USA - ACGIH	ACGIH STEL (ppm)	500 ppm
Alberta	OEL STEL (ppm)	500 ppm
Alberta	OEL TWA (ppm)	250 ppm
Alberta	Notations and remarks	eye irr; CNS impair; BEI
Manitoba	OEL STEL (ppm)	500 ppm
Manitoba	OEL TWA (ppm)	250 ppm
Manitoba	Notations and remarks	eye irr; CNS impair; BEI
New Brunswick	OEL STEL (ppm)	500 ppm
New Brunswick	OEL TWA (ppm)	250 ppm
New Brunswick	Notations and remarks	eye irr; CNS impair; BEI
Newfoundland & Labrador	OEL STEL (ppm)	500 ppm
Newfoundland & Labrador	OEL TWA (ppm)	250 ppm
Newfoundland & Labrador	Notations and remarks	eye irr; CNS impair; BEI

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

acetone (67-64-1)		
Nova Scotia	OEL STEL (ppm)	500 ppm
Nova Scotia	OEL TWA (ppm)	250 ppm
Nova Scotia	Notations and remarks	eye irr; CNS impair; BEI
Nunavut	OEL STEL (ppm)	500 ppm
Nunavut	OEL TWA (ppm)	250 ppm
Nunavut	Notations and remarks	eye irr; CNS impair; BEI
Northwest Territories	OEL STEL (ppm)	500 ppm
Northwest Territories	OEL TWA (ppm)	250 ppm
Northwest Territories	Notations and remarks	eye irr; CNS impair; BEI
Ontario	OEL STEL (ppm)	750 ppm
Ontario	OEL TWA (ppm)	500 ppm
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	OEL STEL (ppm)	500 ppm
Prince Edward Island	OEL TWA (ppm)	250 ppm
Prince Edward Island	Notations and remarks	eye irr; CNS impair; BEI
Saskatchewan	OEL STEL (ppm)	750 ppm
Saskatchewan	OEL TWA (ppm)	500 ppm
fibreglass microspheres, diameter > 3 micrometers (65997-17-3)		
USA - ACGIH	ACGIH TWA (mg/m ³)	1 fibers/cm ³ (Respirable fibers: length > 5 µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination) 1 fibers/cm ³ (Respirable fibers: length > 5 µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination) 5 mg/m ³ (Inhalable fraction)
2-propanol (67-63-0)		
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	400 ppm
Alberta	OEL STEL (ppm)	400 ppm
Alberta	OEL TWA (ppm)	200 ppm
Alberta	Notations and remarks	Eye & URT irr; CNS impair
Manitoba	OEL STEL (ppm)	400 ppm
Manitoba	OEL TWA (ppm)	200 ppm
Manitoba	Notations and remarks	Eye & URT irr; CNS impair
New Brunswick	OEL STEL (ppm)	400 ppm
New Brunswick	OEL TWA (ppm)	200 ppm
New Brunswick	Notations and remarks	Eye & URT irr; CNS impair
Newfoundland & Labrador	OEL STEL (ppm)	400 ppm
Newfoundland & Labrador	OEL TWA (ppm)	200 ppm
Newfoundland & Labrador	Notations and remarks	Eye & URT irr; CNS impair
Nova Scotia	OEL STEL (ppm)	400 ppm
Nova Scotia	OEL TWA (ppm)	200 ppm
Nova Scotia	Notations and remarks	Eye & URT irr; CNS impair
Nunavut	OEL STEL (ppm)	400 ppm
Nunavut	OEL TWA (ppm)	200 ppm
Nunavut	Notations and remarks	Eye & URT irr; CNS impair
Northwest Territories	OEL STEL (ppm)	400 ppm
Northwest Territories	OEL TWA (ppm)	200 ppm

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

2-propanol (67-63-0)		
Northwest Territories	Notations and remarks	Eye & URT irr; CNS impair
Ontario	OEL STEL (ppm)	400 ppm
Ontario	OEL TWA (ppm)	200 ppm
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	OEL STEL (ppm)	400 ppm
Prince Edward Island	OEL TWA (ppm)	200 ppm
Prince Edward Island	Notations and remarks	Eye & URT irr; CNS impair
Saskatchewan	OEL STEL (ppm)	400 ppm
Saskatchewan	OEL TWA (ppm)	200 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure exposure is below occupational exposure limits (where available). Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear appropriate mask. Wear respiratory protection.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Color	: Gray
Odor	: characteristic
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: ≥ 56.1 °C
Flash point	: 20 - 23 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapour
Vapor pressure	: No data available
Vapor pressure at 50 °C	: No data available
Relative density	: < 0.9
Specific gravity / density	: < 7.2 g/l
Solubility	: No data available
Log Pow	: No data available

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Explosion limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : No reactivity hazard other than the effects described in sub-sections below. Highly flammable liquid and vapour.

Chemical stability : Polymerization can result in formation of solid deposits, even in vapour space. Highly flammable liquid and vapour. May form flammable/explosive vapor-air mixture.

Possibility of hazardous reactions : Not established.

Conditions to avoid : Direct sunlight. Extremely high or low temperatures. Open flame. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

Incompatible materials : Strong acids. Strong bases.

Hazardous decomposition products : fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

styrene, inhibited (100-42-5)	
LD50 oral rat	5000 mg/kg (Rat; Literature study; >6000 mg/kg bodyweight; Rat; Weight of evidence)
LD50 oral	> 6000 mg/kg body weight (Hamster, Male, Weight of evidence, Oral)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
LD50 dermal rabbit	5010 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	11.8 mg/l air (4 h, Rat, Inconclusive, insufficient data, Inhalation (vapours))
LC50 inhalation rat (ppm)	2770 ppm/4h (Rat; Literature study)
ATE CA (oral)	5000 mg/kg body weight
ATE CA (Dermal)	5010 mg/kg body weight
ATE CA (Gases)	2770 ppmV/4h
titanium(IV) oxide (13463-67-7)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, Female, Experimental value, Oral, 14 day(s))
LC50 inhalation rat (mg/l)	> 6.82 mg/l (Other, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s))
cobalt(II) 2-ethylhexanoate (136-52-7)	
LD50 oral rat	3129 mg/kg body weight (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value)
LD50 dermal rat	> 2000 mg/kg body weight (Rat; Weight of evidence; OECD 402: Acute Dermal Toxicity)
ATE CA (oral)	3129 mg/kg body weight
acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral)
LD50 dermal rabbit	20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours))
ATE CA (oral)	5800 mg/kg body weight
ATE CA (Dermal)	20000 mg/kg body weight
ATE CA (vapours)	76 mg/l/4h
ATE CA (dust,mist)	76 mg/l/4h
2-hydroxyethyl methacrylate, stabilized (868-77-9)	
LD50 oral rat	5564 mg/kg body weight (Rat; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg body weight (Rabbit; Experimental value)
ATE CA (oral)	5564 mg/kg body weight
2-propanol (67-63-0)	
LD50 oral rat	5840 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	16400 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 14 day(s))

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

2-propanol (67-63-0)	
LC50 inhalation rat (ppm)	> 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))
ATE CA (oral)	5840 mg/kg body weight
ATE CA (Dermal)	16400000 mg/kg body weight

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified
: Not classified

STOT-repeated exposure

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects : Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

Symptoms/effects after inhalation : May cause an allergic skin reaction. May cause respiratory irritation.

Symptoms/effects after skin contact : Causes skin irritation. Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye irritation. Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Aquatic acute : Not classified
Aquatic chronic : Not classified

styrene, inhibited (100-42-5)	
LC50 fish 1	10 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	4.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Flow-through system, Fresh water, Experimental value, GLP)
ErC50 (algae)	4.9 mg/l (EPA OTS 797.1050, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
BCF fish 1	35.5 (Carassius auratus, Literature study)
Log Pow	2.96 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Log Koc	2.55 (log Koc, Estimated value)

titanium(IV) oxide (13463-67-7)	
LC50 fish 1	> 100 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
ErC50 (algae)	61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)

talco (14807-96-6)	
LC50 fish 1	> 100 g/l (24 h, Brachydanio rerio, Semi-static system)

cobalt(II) 2-ethylhexanoate (136-52-7)	
LC50 fish 1	46.51 mg/l (LOEC; ASTM; 96 h; Pimephales promelas; Flow-through system; Fresh water; Read-across)
LC50 fish 2	54.1 mg/l (LC50; ASTM; 96 h; Pimephales promelas; Flow-through system; Fresh water; Read-across)
EC50 Daphnia 1	0.212 mg/l (NOEC; ASTM; 48 h; Ceriodaphnia dubia; Static system; Salt water; Read-across)

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

cobalt(II) 2-ethylhexanoate (136-52-7)	
EC50 Daphnia 2	0.605 mg/l (LC50; ASTM; 48 h; Ceriodaphnia dubia; Static system; Salt water; Read-across)
BCF fish 1	1.2 (BCF; 131 days; Seriola quinqueradiata; Static system; Salt water; Read-across)
Threshold limit algae 1	144 µg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Read-across)
Threshold limit algae 2	32.2 µg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Read-across)

acetone (67-64-1)	
LC50 fish 1	5540 mg/l (EU Method C.1, 96 h, Salmo gairdneri, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 96h algae (1)	> 7000 mg/l (Selenastrum capricornutum, Static system, Fresh water, Experimental value, Nominal concentration)
BCF fish 1	0.69 (Pisces)
BCF other aquatic organisms 1	3 (BCFWIN, Calculated value)
Log Pow	-0.24 (Test data)

2-hydroxyethyl methacrylate, stabilized (868-77-9)	
LC50 fish 1	227 mg/l (LC50; 96 h)
EC50 Daphnia 1	171 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
EC50 Daphnia 2	380 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
BCF fish 1	1.3 - 1.5 (BCF)
Log Pow	-0.55 - 0.49 (0.42; Experimental value; OECD 107: Partition Coefficient (n-octanol/water); Shake Flask Method; 25 °C)
Threshold limit algae 1	836 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
Threshold limit algae 2	345 mg/l (EbC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)

2-propanol (67-63-0)	
LC50 fish 1	9640 - 10000 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
Log Pow	0.05 (Weight of evidence approach, 25 °C)
Log Koc	0.185 - 0.541 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

12.2. Persistence and degradability

STYROSHIELD PRIMER (mixture)	
Persistence and degradability	Not established.

styrene, inhibited (100-42-5)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Chemical oxygen demand (COD)	2.8 g O ₂ /g substance
ThOD	3.07 g O ₂ /g substance
BOD (% of ThOD)	0.42 (Literature study)

titanium(IV) oxide (13463-67-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

talc (14807-96-6)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

cobalt(II) 2-ethylhexanoate (136-52-7)	
Persistence and degradability	Readily biodegradable in water. No (test) data on mobility of the substance available.

acetone (67-64-1)	
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

acetone (67-64-1)	
Biochemical oxygen demand (BOD)	1.43 g O ₂ /g substance
Chemical oxygen demand (COD)	1.92 g O ₂ /g substance
ThOD	2.2 g O ₂ /g substance
BOD (% of ThOD)	0.872 (20 day(s), Literature study)
2-hydroxyethyl methacrylate, stabilized (868-77-9)	
Persistence and degradability	Readily biodegradable in water. Biodegradability in soil: no data available. Adsorbs into the soil.
1,6-hexanediol diacrylate (13048-33-4)	
Persistence and degradability	Inherently biodegradable.
fibreglass microspheres, diameter > 3 micrometers (65997-17-3)	
Persistence and degradability	Biodegradability: not applicable. Not established.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
PROPRIETARY POLYMER MICROSPHERE (TRADE SECRET)	
Persistence and degradability	Not established.
2-propanol (67-63-0)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available. Not established.
Biochemical oxygen demand (BOD)	1.19 g O ₂ /g substance
Chemical oxygen demand (COD)	2.23 g O ₂ /g substance
ThOD	2.4 g O ₂ /g substance
Proprietary Resin (TRADE SECRET)	
Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
STYROSHIELD PRIMER (mixture)	
Bioaccumulative potential	Not established.
styrene, inhibited (100-42-5)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
BCF fish 1	35.5 (Carassius auratus, Literature study)
Log Pow	2.96 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Log Koc	2.55 (log Koc, Estimated value)
titanium(IV) oxide (13463-67-7)	
Bioaccumulative potential	Not bioaccumulative.
cobalt(II) 2-ethylhexanoate (136-52-7)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF fish 1	1.2 (BCF; 131 days; Seriola quinqueradiata; Static system; Salt water; Read-across)
acetone (67-64-1)	
Bioaccumulative potential	Not bioaccumulative.
BCF fish 1	0.69 (Pisces)
BCF other aquatic organisms 1	3 (BCFWIN, Calculated value)
Log Pow	-0.24 (Test data)
2-hydroxyethyl methacrylate, stabilized (868-77-9)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF fish 1	1.3 - 1.5 (BCF)
Log Pow	-0.55 - 0.49 (0.42; Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)
1,6-hexanediol diacrylate (13048-33-4)	
Bioaccumulative potential	No bioaccumulation data available.
fibreglass microspheres, diameter > 3 micrometers (65997-17-3)	
Bioaccumulative potential	No bioaccumulation data available. Not established.

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

PROPRIETARY POLYMER MICROSPHERE (TRADE SECRET)	
Bioaccumulative potential	Not established.
2-propanol (67-63-0)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4). Not established.
Log Pow	0.05 (Weight of evidence approach, 25 °C)
Log Koc	0.185 - 0.541 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Proprietary Resin (TRADE SECRET)	
Bioaccumulative potential	Not established.
12.4. Mobility in soil	
styrene, inhibited (100-42-5)	
Surface tension	0.032 N/m (20 °C)
Ecology - soil	Low potential for adsorption in soil.
Log Koc	2.55 (log Koc, Estimated value)
Log Pow	2.96 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
titanium(IV) oxide (13463-67-7)	
Ecology - soil	Low potential for mobility in soil.
cobalt(II) 2-ethylhexanoate (136-52-7)	
Surface tension	0.064 N/m (20 °C; 1 g/l)
acetone (67-64-1)	
Surface tension	0.0237 N/m
Ecology - soil	No (test)data on mobility of the substance available.
Log Pow	-0.24 (Test data)
2-hydroxyethyl methacrylate, stabilized (868-77-9)	
Log Pow	-0.55 - 0.49 (0.42; Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)
2-propanol (67-63-0)	
Surface tension	0.021 N/m (25 °C)
Ecology - soil	Highly mobile in soil.
Log Koc	0.185 - 0.541 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Log Pow	0.05 (Weight of evidence approach, 25 °C)

12.5. Other adverse effects

Ozone	: Not classified
Other information	: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Additional information	: Handle empty containers with care because residual vapors are flammable. Flammable vapors may accumulate in the container.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

Department of Transport

DOT NA No	: UN1866
UN-No.(DOT)	: 1866

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Packing group (DOT)	: II - Medium Danger
Transport document description	: UN1866 Resin solution, 3, II
Proper Shipping Name (DOT)	: Resin solution
Contains Statement Field Selection (DOT)	:
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Division (DOT)	: 3
Hazard labels (DOT)	: 3 - Flammable liquid



Dangerous for the environment	: No
DOT Special Provisions (49 CFR 172.102)	: 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons). 383 - Packages containing toy plastic or paper caps for toy pistols described as "UN0349, Articles, explosive, n.o.s. (Toy caps), 1.4S" or "NA0337, Toy caps, 1.4S" are not subject to the subpart E (labeling) requirements of this part when offered for transportation by motor vehicle, rail freight, cargo vessel, and cargo aircraft and, notwithstanding the packing method assigned in §173.62 of this subchapter, in conformance with the following conditions: B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 173
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Emergency Response Guide (ERG) Number	: 127
Other information	: No supplementary information available.

14.3. Air and sea transport

IMDG

UN-No. (IMDG)	: 1866
Proper Shipping Name (IMDG)	: RESIN SOLUTION
Transport document description (IMDG)	: UN 1866 RESIN SOLUTION, 3, II
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: II - substances presenting medium danger

IATA

UN-No. (IATA)	: 1866
Proper Shipping Name (IATA)	: Resin solution
Transport document description (IATA)	: UN 1866 Resin solution, 3, II
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: II - Medium Danger

SECTION 15: Regulatory information

15.1. National regulations

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

styrene, inhibited (100-42-5)
Listed on the Canadian DSL (Domestic Substances List)
titanium(IV) oxide (13463-67-7)
Listed on the Canadian DSL (Domestic Substances List)
talc (14807-96-6)
Listed on the Canadian DSL (Domestic Substances List)
cobalt(II) 2-ethylhexanoate (136-52-7)
Listed on the Canadian DSL (Domestic Substances List)
acetone (67-64-1)
Listed on the Canadian DSL (Domestic Substances List)
2-hydroxyethyl methacrylate, stabilized (868-77-9)
Listed on the Canadian DSL (Domestic Substances List)
1,6-hexanediol diacrylate (13048-33-4)
Listed on the Canadian DSL (Domestic Substances List)
fibreglass microspheres, diameter > 3 micrometers (65997-17-3)
Listed on the Canadian DSL (Domestic Substances List)
PROPRIETARY POLYMER MICROSPHERE (TRADE SECRET)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
2-propanol (67-63-0)
Listed on the Canadian DSL (Domestic Substances List)
Proprietary Resin (TRADE SECRET)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

15.2. International regulations

styrene, inhibited (100-42-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
titanium(IV) oxide (13463-67-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
talc (14807-96-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
cobalt(II) 2-ethylhexanoate (136-52-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
acetone (67-64-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
2-hydroxyethyl methacrylate, stabilized (868-77-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
1,6-hexanediol diacrylate (13048-33-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
fibreglass microspheres, diameter > 3 micrometers (65997-17-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
PROPRIETARY POLYMER MICROSPHERE (TRADE SECRET)
Not listed on the United States TSCA (Toxic Substances Control Act) inventory
2-propanol (67-63-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Proprietary Resin (TRADE SECRET)
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H-phrases:

H225	Highly flammable liquid and vapour
------	------------------------------------

STYROSHIELD PRIMER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

H226	Flammable liquid and vapour
------	-----------------------------

SDS Canada (GHS)

To the best of our knowledge this SDS is accurate. To the extent allowed by law, this statement is made in lieu of any other warranties, expressed or implied including but not limited to any implied warranty of merchantability or fitness for a particular purpose and is in lieu of any other obligations or liability on the part of Dura Technologies, Inc.