

**PRO-SPRAY INTERMIX CLEARCOATS & ACTIVATORS****SECTION 1 - MANUFACTURER**

**Manufacturer:** PRO-SPRAY  
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Massillon, Ohio 44646  
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**FOR CHEMICAL EMERGENCY**

CHEMTREC: 1-800-424-9300

**Product:** Refinish**DOT Shipping Name:** Paint UN1263, Limited Quantity in Inner Containers 5 Litres or Less**Hazardous Materials Information:** See Section 10**OSHA Hazard Class:** Flammable Liquid**SECTION 2 – HAZARDOUS INGREDIENTS** (see section 10)

HAZARDOUS INGREDIENT	EMERG. PLAN*	N O T E	CAS NO	ACGIH TLV ppm	OSHA PEL ppm	STEL* ppm	HMSI* H-F-R	FLASH POINT T.C.C./F	VAPOR PRESSURE mm/Hg.
1,6-HEXAMETHYLENE DISOCYANATE	NO		822-06-0	TWA = 0.005	0.02		3-0-0	N/E	N/E
2-BUTOXYETHYL ACETATE	NO		112-07-2	N/E	N/E	N/E	2-2-0	160	0.2 @ 68F
ACETONE	YES		67-64-1	750	750	1000	1-3-0	<-1.0	182 @68F
AROMATIC HYDROCARBONS	NO		64742-95-6	50	50	150	1-3-0	110	4 @ 68F
ETHYL BENZENE	NO	3	100-41-4	100	100	150	2-3-0	77	7.10 @68F
HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE		1	28182-81-2						
HYDROXY ACRYLIC RESIN D	NO		N/A	N/E	N/E	N/E	N/A	N/A	N/A
HYDROXY ACRYLIC RESIN E	NO		N/A	N/E	N/E	N/E	N/A	N/A	N/A
HYDROXY ACRYLIC RESIN F	NO		N/A	N/E	N/E	N/E	N/A	N/A	N/A
HYDROXY ACRYLIC RESIN G	NO		N/A	N/E	N/E	N/E	N/A	N/A	N/A
HYDROXY ACRYLIC RESIN H	NO		N/A	N/E	N/E	N/E	N/A	N/A	N/A
HYDROXY ACRYLIC RESIN I	NO		N/A	N/E	N/E	N/E	N/A	N/A	N/A
HYDROXY ACRYLIC RESIN J	NO		N/A	N/E	N/E	N/E	N/A	N/A	N/A
ISOPHORONE DIISOCYANATE HOMOPOLYMER	NO	2	53880-05-0	N/E	N/E		2-1-0	N/E	N/E
ISOPHORONE DIISOCYANATE			4098-71-9						
METHYL ACETATE	NO		79-20-9	200	200	250	1-3-0	1	165@68f
METHYL AMYL KETONE	NO		110-43-0	50	100	N/E	1-2-0	102	2.1 @68F
METHYL ISOBUTYL KETONE	YES		108-10-1	50	50	75	2-3-0	60	16 @68F
N-BUTYL ACETATE	YES		123-86-4	150	150	200	2-3-0	81	10 @ 68F
N-AMYL PROPIONATE	NO		624-54-4	N/E	N/E	N/E	1-2-0	135	1.5@68f
PARACHLOROBENZOTRIFLUORIDE (PCBTF)	NO		98-56-6	N/E	N/E	N/E	1-2-1	109	5.3 @ 68F
PESEUDOCUMENE (1,2,4-TRIMETHYLBENZENE)			95-63-6	25 PPM	N/E	N/E	1,2,0	112	1 @ 56°F
POLYESTER RESIN D	NO		N/A	N/E	N/E	N/E	N/A	N/A	N/A
POLYESTER RESIN E	NO		N/A	N/E	N/E	N/E	N/A	N/A	N/A
PROPIONIC ACID	NO		590-01-2	N/E	N/E		2-2-0	100	3.4 @68F
PROPYLENE GLYCOL MONO-METHYL ETHER ACETATE	NO		108-65-6	N/E	N/E	N/E	2-3-0	114 Seta Closed	2.4 @68F
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	NO		108-65-6	N/E	N/E	N/E	2-3-0	114 SETA CLOSED	2.4 @ 68F
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	NO		64742-95-6	100	100	N/E	2-3-0	110	4@68F
XYLENE	YES	3	1330-20-7	100	100	150	2-3-0	80	9.5 @68F

\* Subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40CFR372.

\*\* Short Term Exposure Limit

Note 1 - Free Hexamethylene Diisocyanate monomer (HDI) is less than 0.3% by weight of total HDI

Note 2 - Free Isophrone Diisocyanate monomer (IPDI) is less than 0.7% by weight of total IPDI

Note 3 - Xylene contains 18-20% Ethyl Benzene (cas#100-41-4) having PEL of 100 ppm, TLV of 100 ppm &amp; STEL of 125 ppm.

N/E - Not established as reported by manufacturer.

**SECTION 3 – PHYSICAL DATA****Evaporation rate:** Less than ether**Solubility in water:** Miscible**Percentage volatile by weight:** 15.3 – 76.0%**Gallon weight:** 6.61 – 14.10 lb/gallon**Vapor density:** Heavier than air**Percent volatile by volume:** 19.4% - 80.9%**Boiling range:** 129°F-473°F/54 °C - 245°C**V.O.C:** 1.9 - 7.5 lb/gallon

#### **SECTION 4 – FIRE & EXPLOSION DATA**

**Flash point (closed cup):** -4 to 160°F.

**Flammable limits:** 0.8% - 14%

**Extinguishing media:** foam, carbon dioxide, and dry chemical.

**Special fire fighting procedures:** Full protective equipment, including self-contained breathing apparatus is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build up.

**Unusual fire & explosion hazards:** When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

#### **SECTION 5 – HEALTH HAZARD DATA**

##### **General Effects:**

**Ingestion:** Gastrointestinal distress. In the unlikely event of ingestion, call a doctor immediately and have the names of the ingredients available. Do not induce vomiting.

**Inhalation:** May cause nose and throat irritation. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include and asthma-like reaction with shortness of breath, wheezing or coughing which may be permanent. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reaction to isocyanates must not be exposed to the vapors or spray mist of this product. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

**Skin or eye contact:** May cause irritation or burning of the eyes. Repeated or prolongs liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a doctor.

##### **Special Effects:**

**Aromatic hydrocarbon A, B;** – laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

**Butyl acetate** – may cause abnormal liver function. Tests for embryotoxic activity in animals has been conclusive. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

**Xylene** – High concentrations have caused embryotoxic effects in laboratory animals. Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts

**Aliphatic Polyisocyanate or Isophorone Diisocyanate homopolymer or Polyisocyanate:** Repeated exposure may cause allergic skin rash, itching, swelling. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Over exposure may cause asthma-like reactions with shortness of breath, wheezing, cough which may be permanent or permanent lung sensitization? This effect may be delayed for several hours after exposure. Individuals with pre-existing lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

**1,6 Hexamethylene Diisocyanate:** May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Over exposure may cause asthma-like reactions with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns. Individuals with pre-existing lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

**Ethylene Glycol Monobutyl Ether Acetate:** Can be absorbed through the skin in harmful amounts. May destroy red blood cells. May cause abnormal kidney function.

#### **SECTION 6 – REACTIVITY DATA**

**Stability:** Stable

**Incompatibility (materials to avoid):** None reasonably foreseeable

**Hazardous decomposition products:** CO, CO<sub>2</sub>, smoke

**Hazardous polymerization:** Will not occur

#### **SECTION 7 - SPILL or LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other non-combustible absorbent material and place in clean, empty containers for disposal. Only the spilled material and the absorbant should be placed in this container.

**WASTE DISPOSAL METHOD:** Waste material must be disposed of in accordance with federal, state, provincial, and local environmental control regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

#### **SECTION 8 – SPECIAL PRECAUTIONS**

**Respiratory:** DO NOT breathe vapors or mists. Wear a positive pressure supplied air respirator (NIOSH/MSHA TC-19C) while mixing activator with any paint or clear enamel, during application and until all vapors and spray mists are exhausted. Individuals with a history or lung or breathing problems or prior reaction to isocyanate should not use or be exposed to this product. DO NOT permit anyone without protection in the painting area. Follow the respirator manufacturer's directions for respirator use.

**Ventilation:** Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA requirements.

**Protective clothing:** Neoprene gloves and coveralls are recommended.

**Eye protection:** Desirable in all industrial situations. Include splashguards or side shields.

**Precautions to be taken in handling and storing:** Observe label precautions. Keep away from heat, sparks and flame. Close container after use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120°F.

**Other precautions:** Do not sand, flame cut, braze or weld dry coating without a NIOSH/MSHA approved respirator or appropriate ventilation.

#### **SECTION 10 – OTHER INFORMATION**

**Section 313 Supplier Notification:** The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

##### **Product Code: PRO-SPRAY ICA-799 Extra Slow Activator**

T Homopolymer of Hexamethylene Diisocyanate (40-50%), Solvent naphtha (petroleum) light aromatic (30-40%), 2-butoxyethyl acetate(15-25%), 1,6-Hexamethylene diisocyanate (.1-1%).

Gallon Weight:	8.31 lb	Solvent Density:	Heavier than air
% Solids by Weight:	44.5	H: 3 F: 3 R: 1	
% Solids by Volume:	39.1	Flash Point:	70°F
V.O.C AP lb Gal:	4.61	OSHA Storage:	1C
V.O.C AP grams:	552.8		

V.O.C LE lb gal less Water & Exempt: 4.61  
V.O.C LE grams pl less Water & Exempt: 552.8

**Product Code: PRO-SPRAY ICA-800 Slow/Low bake Activator**

Homopolymer of Hexamethylene Diisocyanate (40-50%), Solvent naphtha (petroleum) light aromatic(15-25%), n-Butyl Acetate(1-5%), 2-butoxyethyl acetate(15-25%), 1,6-Hexamethylene diisocyanate (.1-1%), xylene(10-20%), ethyl benzene(1-5%).

Gallon Weight:	8.29 lb	Solvent Density:	Heavier than air
% Solids by Weight:	44.5	H: 3 F: 3 R: 1	
% Solids by Volume:	N/E	Flash Point:	70°F
V.O.C AP lb Gal:	4.60	OSHA Storage:	1C
V.O.C AP grams:	551		
V.O.C LE lb gal less Water & Exempt:	4.60		
V.O.C LE grams pl less Water & Exempt:	551		

**Product Code: PRO-SPRAY ICA-801 Normal Activator**

Homopolymer of Hexamethylene Diisocyanate (40-50%), Solvent naphtha (petroleum) light aromatic (15-25%), n-Butyl Acetate (10-20%), 2-butoxyethyl acetate (5-15%), 1,6-Hexamethylene diisocyanate (.1-1%), xylene (1-5%), ethyl benzene (.1-1%), Methyl Acetate (1-5%).

Gallon Weight:	8.32 lb	Solvent Density:	Heavier than air
% Solids by Weight:	44.3	H: 3 F: 3 R: 1	
% Solids by Volume:	N/E	Flash Point:	1°F
V.O.C AP lb Gal:	4.47	OSHA Storage:	1B
V.O.C AP grams:	535		
V.O.C LE lb gal less Water & Exempt:	4.57		
V.O.C LE grams pl less Water & Exempt:	548		

**Product Code: PRO-SPRAY ICA-802 Express Activator**

Homopolymer of Hexamethylene Diisocyanate (40-50%), Solvent naphtha (petroleum) light aromatic(1-5%), n-Butyl Acetate(15-25%), Isophorone Diisocyanate homopolymer (5-10%), Xylene(20-30%), Ethyl Benzene (5-10%), 1,6-Hexamethylene diisocyanate (.1-1%), Isophorone diisocyanate (.1-1%).

Gallon Weight:	8.14 lb	Solvent Density:	Heavier than air
% Solids by Weight:	46.04	H: 3 F: 3 R: 1	
% Solids by Volume:	N/E	Flash Point:	70°F
V.O.C AP lb Gal:	4.40	OSHA Storage:	1C
V.O.C AP grams:	526		
V.O.C LE lb gal less Water & Exempt:	4.40		
V.O.C LE grams pl less Water & Exempt:	526		

**Product Code: PRO-SPRAY ICA-803 MS Rapid Activator**

Homopolymer of Hexamethylene Diisocyanate 20-30%), Isophorone diisocyanate homopolymer (10-20%), Solvent naphtha (petroleum) light aromatic(1-5%), n-Butyl Acetate(20-30%), methyl isobutyl ketone(20-30%), Trimethylbenzene(1-5%), 1,6-Hexamethylene diisocyanate (.1-1%), Isophorone diisocyanate (.1-1%)

Gallon Weight:	8.09	Solvent Density:	Heavier than air
% Solids by Weight:	46.04	H: 3 F: 3 R: 1	
% Solids by Volume:	4.37	Flash Point:	57°F
V.O.C lb Gal:	523	OSHA Storage:	1B
V.O.C grams:	551		
V.O.C lb gal less Water & Exempt:	4.37		
V.O.C grams pl less Water & Exempt:	523		

**Product Code: PRO-SPRAY PCA-350 3-1 HS Hardener Medium**

Homopolymer of Hexamethylene Diisocyanate (70-80%), Solvent naphtha (petroleum) light aromatic, n-Butyl Acetate, Methyl amyl Ketone, Xylene (1-5%), pseudocumene, 1,6-Hexamethylene diisocyanate (.1-1%).

Gallon Weight:	8.69 lb	Solvent Density:	Heavier than air
% Solids by Weight:	69.0	H: 3 F: 3 R: 1	
% Solids by Volume:	61.9	Flash Point:	88°F
V.O.C AP lb Gal:	2.69	OSHA Storage:	1C
V.O.C AP grams:	322.7		
V.O.C LE lb gal less Water & Exempt:	2.69		
V.O.C LE grams pl less Water & Exempt:	322.7		

**Product Code: PRO-SPRAY PCA-351 3-1 HS Hardener Fast**

Homopolymer of Hexamethylene Diisocyanate (70-80%), Solvent naphtha (petroleum) light aromatic, n-Butyl Acetate, Methyl amyl Ketone, Xylene (1-5%), pseudocumene, 1,6-Hexamethylene diisocyanate (.1-1%).

Gallon Weight:	8.75 lb	Solvent Density:	Heavier than air
% Solids by Weight:	69.0	H: 3 F: 3 R: 1	
% Solids by Volume:	62.4	Flash Point:	88°F
V.O.C AP lb Gal:	2.71	OSHA Storage:	1C
V.O.C AP grams:	324.9		
V.O.C LE lb gal less Water & Exempt:	2.71		
V.O.C LE grams pl less Water & Exempt:	324.9		

**Product Code: PRO-SPRAY PCA-352 3-1 HS Hardener Express**

Homopolymer of Hexamethylene Diisocyanate (70-80%), Isophorone Diisocyanate homopolymer (5-10%), Solvent naphtha (petroleum) light aromatic, n-Butyl Acetate, Methyl amyl Ketone, Xylene (1-5%), pseudocumene, 1,6-Hexamethylene diisocyanate (.1-1%), Isophorone Diisocyanate (<0.1%).

Gallon Weight:	8.80 lb	Solvent Density:	Heavier than air
% Solids by Weight:	68.1	H: 3 F: 3 R: 1	
% Solids by Volume:	61.8	Flash Point:	88°F
V.O.C AP lb Gal:	2.81	OSHA Storage:	1C
V.O.C AP grams:	336.5		
V.O.C LE lb gal less Water & Exempt:	2.81		
V.O.C LE grams pl less Water & Exempt:	336.5		

**Product Code: PRO-SPRAY PCA-353-2, 353-25 3-1 HS Hardener Express Plus**

Homopolymer of Hexamethylene Diisocyanate (70-80%), Isophorone Diisocyanate homopolymer (5-10%), Solvent naphtha (petroleum) light aromatic, n-Butyl Acetate, Methyl amyl Ketone, Xylene (1-5%), pseudocumene, 1,6-Hexamethylene diisocyanate (.1-1%), Isophorone Diisocyanate (<0.1%).

Gallon Weight:	8.80 lb	Solvent Density:	Heavier than air
% Solids by Weight:	68.1	H: 3 F: 3 R: 1	
% Solids by Volume:	61.8	Flash Point:	88°F
V.O.C AP lb Gal:	2.81	OSHA Storage:	1C
V.O.C AP grams:	336.5		
V.O.C LE lb gal less Water & Exempt:	2.81		
V.O.C LE grams pl less Water & Exempt:	336.5		

**Product Code: PRO-SPRAY PSC-4000-2, PSC-4000-5 3:1 RAPID CLEAR**

Hydroxy Acrylic Resin I, Acetone (40-50%). Parachlorobenzotrifluoride (PCBTF) (20-30%). 2-butoxyethyl acetate (1-5%), Methyl Amyl Ketone (1-5%), Propionic Acid (10-20%).

Gallon Weight:	7.59 lb	Solvent Density:	Heavier than air
% Solids by Weight:	37.11	H: 2 F: 3 R: 0	
% Solids by Volume:	n/av	Flash Point:	0°F
V.O.C AP lbs/Gall:	1.74	OSHA Storage:	1B
V.O.C AP g/l	208		
V.O.C LE lb gal less Water & Exempt:	3.23		
V.O.C LE grams pl less Water & Exempt:	387		

**Product Code: PRO-SPRAY PSC-5000-2, PSC-5000-5 HYPER CLEAR**

Hydroxy Acrylic ResinS, Acetone (10-20%), n-Amyl Propionate (1-5%), n-Butyl Acetate (1-5%), Propionic Acid Ester (1-5%), Methyl Amyl Ketone (10-20%), Methyl Isobutyl Ketone (1-5%), Parachlorobenzotrifluoride (10-20%).

Gallon Weight:	8.32 lb	Solvent Density:	Heavier than air
% Solids by Weight:	28.17	H: 2 F: 3 R: 0	
% Solids by Volume:	16.50	Flash Point:	0°F
V.O.C AP lbs/Gall:	1.73	OSHA Storage:	1B
V.O.C AP g/l	207		
V.O.C LE lb gal less Water & Exempt:	3.43		
V.O.C LE grams pl less Water & Exempt:	410		

Note: When properly mixed with activator and reducer VOC LE Less Water & Exempts as applied: <4.0 lbs/gal, <480 g/l

**Product Code: PRO-SPRAY PSC-7000-2, PSC-7000-5 HI-TEMP GLAMOUR CLEARCOAT**

Hydroxy Acrylic Resin F, Solvent naphtha (petroleum) light aromatic, n-Butyl Acetate, Propylene Glycol Monomethyl Ether Acetate, 2-butoxyethyl acetate, Xylene (1-5%), Acetone (13%).

Gallon Weight:	7.97 lb	Solvent Density:	Heavier than air
% Solids by Weight:	44.64	H: 2 F: 3 R: 0	
% Solids by Volume:	39.0	Flash Point:	0°F
V.O.C AP lbs/Gall:	3.39	OSHA Storage:	1B
V.O.C AP g/l	406.4		
V.O.C LE lb gal less Water & Exempt:	4.01		
V.O.C LE grams pl less Water & Exempt:	480.9		

**Product Code: PRO-SPRAY PSC-8000-2, PSC-8000-5 H.S CLEARCOAT**

Hydroxy Acrylic Resin E, Polyester Resin D, Solvent naphtha (petroleum) light aromatic (1-5%), n-Butyl Acetate (30-40%), 2-butoxyethyl acetate (1-5%), Xylene (1-5%), Acetone (8.2%).

Gallon Weight:	8.23 lb	Solvent Density:	Heavier than air
% Solids by Weight:	52.11	H: 2 F: 3 R: 0	
% Solids by Volume:	44.2	Flash Point:	0°F
V.O.C AP lb Gal:	3.28	OSHA Storage:	1B
V.O.C AP grams pl:	393.6		
V.O.C LE lb gal less Water & Exempt:	3.63		
V.O.C LE grams pl less Water & Exempt:	434.9		

**Product Code: PRO-SPRAY PSC-8500-2, PSC-8500-5 H.S URETHANE CLEARCOAT**

Hydroxy Acrylic Resins, Acetate (20-30%), n-Butyl Acetate (5-10%), Ethyl Benzene (1-5%), 2-butoxyethyl acetate (1-5%), Propylene Glycol Monomethyl Ether Acetate (5-105%), Xylene (5-10%), Propionic Acid Ester (5-10%).

Gallon Weight:	7.75 lb	Solvent Density:	Heavier than air
% Solids by Weight:	44.79	H: 2 F: 3 R: 0	
% Solids by Volume:	38.48	Flash Point:	0°F
V.O.C AP lb Gal:	2.42	OSHA Storage:	1B
V.O.C AP grams pl:	290		
V.O.C LE lb gal less Water & Exempt:	3.38		
V.O.C LE grams pl less Water & Exempt:	405		

Note: When properly mixed with activator and reducer VOC LE Less Water & Exempts as applied: <4.2 lbs/gal, <502 g/l

**Product Code: PRO-SPRAY PSC-9000-2, PSC-9000-5 3 – 1 CLEARCOAT**

Hydroxy Acrylic Resin D, Hydroxy Acrylic Resin J, Polyester Resin E, Solvent naphtha (petroleum) light aromatic, n-Butyl Acetate, Propylene Glycol Monomethyl Ether Acetate, 2-butoxyethyl acetate, Xylene (1-5%), Acetone (37.4%).

Gallon Weight:	7.76 lb	Solvent Density:	Heavier than air
% Solids by Weight:	43.92	H: 2 F: 3 R: 0	
% Solids by Volume:	36.5	Flash Point:	0°F
V.O.C AP lbs/Gall:	1.45	OSHA Storage:	1B
V.O.C AP g/l	173.3		
V.O.C LE lb gal less Water & Exempt:	2.59		
V.O.C LE grams pl less Water & Exempt:	309.9		