

SAFETY DATA SHEET

1. Identification

Product identifier	Invisible Shield 2000
Other means of identification	
Sales Code	CW402
Recommended use	Water repellent sealer
Recommended restrictions	Professional use only.
Manufacturer/Importer/Supplier/	Distributor information
Name	Classic Coatings Systems
Address	255 Citation Circle Corona, CA 92880
Contact	Carlos
Telephone Number	(714) 720-6954
Fax Number	(951) 279-3344
Emergency Phone Number	Emergency Response Service: (800) 535-5053

2. Hazard(s) identification

ed.
ve toxicity (fertility) Category 2
ed.
ed.
d", "Not applicable" or "Classification not possible".
i

Label elements



Signal word	Warning
Hazard statement	Suspected of damaging fertility.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF exposed or concerned: Get medical advice/attention.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.
HMIS® ratings	Health: 1* Flammability: 1 Physical hazard: 0

3. Composition/information on ingredients

lixtures			
Chemical name	Common name and synonyms	CAS number	%
Ethanol		64-17-5	1 - < 3
Alkyl sulfate*		Proprietary*	< 1
Organo tin fatty acid salts*		Proprietary*	< 1
Alkylbenzene sulfonic acid salts*		Proprietary*	< 1

Material name: Invisible Shield 2000

Revision Date: March 12th, 2017

Chemical name	Common name and synonyms	CAS number	%
Octamethylcyclotetrasiloxane (Impurity)		556-67-2	1 - < 3

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

	4. First-aid measures	
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.	
Skin contact	Wash skin with soap and water. Get medical attention if irritation develops and persists.	
Eye contact	Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.	
ngestion	Rinse mouth. Get medical attention immediately.	
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.	
ndication of immediate nedical attention and special reatment needed	Treat symptomatically.	
General information	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.	
	5. Fire-fighting measures	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).	
Unsuitable extinguishing media	None known.	
Specific hazards arising from the chemical	By heating and fire, harmful vapors/gases may be formed. Nitrogen oxides. (corrosive)	
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-contained breathing apparatus.	
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.	
General fire hazards	No unusual fire or explosion hazards noted.	
	6. Accidental release measures	
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Ensure adequate ventilation. Wear appropriate personal protective equipment.	
Methods and materials for	Eliminate sources of ignition.	
containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.	
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.	
	Never return spills in original containers for re-use.	
Environmental precautions	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses on onto the ground.	
	7. Handling and storage	
Precautions for safe handling	Provide adequate ventilation. Use care in handling/storage. Obtain special instructions before us Use personal protective equipment as required. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Pregnant or breastfeeding women must not handle this product. Do not breathe mist or vapor. Avoid prolonged exposure.	
Conditions for safe storage, including any incompatibilities	Store locked up. Keep out of the reach of children. Store in a cool, dry place out of direct sunlight Keep container tightly closed. Do not keep the container below 0 degrees C to avoid coagulation Keep in original container. This product contains water. Therefore, please note that there is a possibility that the container corrodes when you keep a long term in a metallic container.	

8. Exposure controls/personal protection

Occupational exposure limits		s/personal protection
US. OSHA Table Z-1 Limits	for Air Contaminants (29 CFR	
Components	Туре	Value
Ethanol (CAS 64-17-5)	PEL	1900 mg/m3
		1000 ppm
Organo tin fatty acid salts (CAS Proprietary)	PEL	0.1 mg/m3
US. ACGIH Threshold Limit	Values	
Components	Туре	Value
Ethanol (CAS 64-17-5)	STEL	1000 ppm
Organo tin fatty acid salts	STEL	0.2 mg/m3
(CAS Proprietary)		
	TWA	0.1 mg/m3
US. NIOSH: Pocket Guide to		
Components	Туре	Value
Ethanol (CAS 64-17-5)	TWA	1900 mg/m3
		1000 ppm
Organo tin fatty acid salts (CAS Proprietary)	TWA	0.1 mg/m3
ological limit values	No biological exposure limits n	oted for the ingredient(s).
xposure guidelines	0	0
US. ACGIH Threshold Limit	Values	
Organo tin fatty acid salts		Can be absorbed through the skin.
US. California Code of Regu	ulations, Title 8, Section 5155.	Airborne Contaminants
	UNDS, AS SN (CAS Proprietary) Substances List (Minn. Rules 5	Can be absorbed through the skin. 206.0400).
Organo tin fatty acid salts US. NIOSH: Pocket Guide to		Skin designation applies.
Organo tin fatty acid salts US. Tennessee. OELs. Occu	s (CAS Proprietary) Jpational Exposure Limits, Tab	Can be absorbed through the skin. Ie Z1A
Organo tin fatty acid salts	s (CAS Proprietary)	Can be absorbed through the skin.
ppropriate engineering ontrols	Provide eyewash station.	
dividual protection measures.	such as personal protective e	quipment
Eye/face protection	Tightly sealed safety glasses a	
Skin protection	5 , , , , , ,	5
Hand protection	Wear protective gloves.	
Other	Wear suitable protective clothing	ng.
Respiratory protection	If airborne concentrations are a respiratory protection.	above the applicable exposure limits, use NIOSH approved
Thermal hazards	Wear appropriate thermal prote	ective clothing, when necessary.
		or smoke. Wash hands before breaks and immediately after

9. Physical and chemical properties

Appearance

Liquid.
Light yellowish-white.
Slight odor.
Not available.
3 - 6
Not applicable

Initial boiling point and boiling 212 °F (100 °C) [Water] range Flash point Not applicable. Evaporation rate < 1 (Buly) Acetate=1) Flammability (oil, gas) Not applicable. Upper/lower flammability init - uoper (%) Flammability limit - uoper (%) Flammability limit - uoper (%) Plammability limit - uoper (%) Plammability limit - uoper (%) Explosive limit - uoper (%) Not available. Explosive limit - uoper (%) Not available. Vapor pressure 3.1 kPa (25 °C) [Water] Vapor density Not applicable Relative density 106 (25 °C) Solubility (water) Solubility (water) Solubility (water) Solubility (water) Not applicable. Mot applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Decomposition temperature Not applicable. Not applicable. Not applicable. Decomposition temperature Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Decomposition temperature Not applicable. Not applicable.				
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Flammability (solid, gas) Not applicable. Upper/lower flammability limit - lower (%) Not applicable. (%) Not applicable. (%) Not available. Explosive limit - upper (%) Not applicable Relative density 1.06 (25 °C) Solubility(les) Solubility (water) Dispersion Parition coefficient Not applicable. Decomposition temperature Not available. Viscosity 11 mParis (25 °C) Other information Molecular weight Not applicable. Not applicable. N	Flash point	Not applicable.		
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Acute Dermal	Components	Species	Test Results	
Dermal	Alkyl sulfate (CAS Proprietary)			
	Acute			
LDL0 Rabbit 10 g/kg	Dermal			
	LDL0	Rabbit	10 g/kg	
	Material name: Invisible Shield 2000		SDS	

Components	Species	Test Results
Oral		
LD50	Rat	1288 mg/kg
Alkylbenzene sulfonic acid salts	(CAS Proprietary)	
Acute		
Oral		
LD50	Rat	438 mg/kg
Ethanol (CAS 64-17-5)		
Acute		
Inhalation		
LC50	Mouse	39 mg/l, 4 Hours
	Rat	20000 ppm, 10 Hours
Oral		
LD50	Guinea pig	5.6 g/kg
	Mouse	3450 mg/kg
	Rat	6.2 g/kg
Octamethylcyclotetrasiloxane (Ir		0.0
Acute	(e. e eee e)	
Inhalation		
LC50	Rat	> 5000 mg/m3, 4 hours
Oral		-
LD50	Rat	> 5000 mg/kg
Organo tin fatty acid salts (CAS	Proprietary)	
Acute		
Oral		
LD50	Rat	6450 mg/kg
Skin corrosion/irritation	Causes skin irritation. [Alkyl sulfate] [Alkylbe SKIN-RABBIT : 500mg/24hr MILD [Octame	
Serious eye damage/eye irritation	Causes serious eye damage. [Alkyl sulfate] Causes serious eye irritation. [Alkylbenzene Causes eye irritation. [Ethanol] EYE-RABBIT : MILD [Octamethylcyclotetras	-
Respiratory or skin sensitizati	on	
Respiratory sensitization	Not available.	
Skin sensitization	No evidence of sensitization [Octamethylcyd	clotetrasiloxane]
Germ cell mutagenicity	Negative(Bacteria) [Octamethylcyclotetrasile	oxane]
Carcinogenicity		
	ted Substances (29 CFR 1910.1001-1050)	
Reproductive toxicity	500 and 700 ppm for 70 days prior to mating decreases in live litter size. Additionally, incl extending over an unusually long time perio Statistically significant alterations in these p concentrations evaluated (300 and 70 ppm) vapor concentrations of 700 ppm had decre	to rats by whole body inhalation at concentrations of g, through mating, gestation and lactation resulted in reases in the incidence of deliveries of offspring d (dystocia) were observed at these concentrations. arameters were not observed in the lower b. In a previous range-finding study, rats exposed to cases in the number of implantation sites and live litter umans is not known. [Octamethylcyclotetrasiloxane]
Specific target organ toxicity - single exposure		

Specific target organ toxicity - repeated exposure	Repeated inhalation or oral exposure of mice and rats to octamethylcyclotetrasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive. A two year combined chronic and carcinogenicity assy was conducted on octamethylcyclotetrasiloxane. Rats were exposed by whole-body vapor inhalation 6hrs/day, 5days/week for up to 104weeks to 0, 10, 30, 150 or 700ppm of octamethylcyclotetrasiloxane. The increase in incidence of (uterine)endometrial cell hyperplasia and uterine adenomas(benign tumors) were observed in female rats at 700ppm. Since these effects only occurred at 700ppm, a level that greatly exceeds typical workplace or consumer exposure, it is unlikely that industrial, commercial or consumer uses of products containing octamethylcyclotetrasiloxane would result in a significant risk to humans. [Octamethylcyclotetrasiloxane]		
Aspiration hazard	Not availab	ole.	
Chronic effects	Prolonged	inhalation may be harmful.	
		12. Ecological information	
Ecotoxicity	Toxic to aquatic life. [Alkyl sulfate] [Alkylbenzenesulfonic acid salt] Harmful to aquatic life with long lasting effects. [Alkyl sulfate] May cause long lasting harmful effects to aquatic life. [Organo tin fatty acid salts] [Octamethylcyclotetrasiloxane]		
Components		Species	Test Results
Alkyl sulfate (CAS Proprietar Aquatic Fish	y) LC50	Rainbow Trout	3.6 mg/l, 96 hr (Estimated by similar product)
Alkylbenzene sulfonic acid sa Aquatic	alts (CAS Prop	orietary)	F)
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	3.26 - 14.51 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	3.2 - 5.6 mg/l, 96 hours
Ethanol (CAS 64-17-5) Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	7.7 - 11.2 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)) > 100 mg/l, 96 hours
Persistence and degradability Bioaccumulative potential Mobility in soil Other adverse effects	Not availat Bio concer Not availat Not availat	tration Factor(BCF) / (Fathead minnows) : 12 ble.	2400 [Octamethylcyclotetrasiloxane]
		13. Disposal considerations	
Disposal instructions	Follow app	licable Federal, State and Local regulations.	

14. Transport information

DOT

Not regulated as dangerous goods.

ΙΑΤΑ

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to This product is not intended to be transported in bulk.

Annex II of MARPOL 73/78 and

the IBC Code

	15. Regulatory information			
JS federal regulations	eral regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.			
	All components are on the U.S. EPA TSCA Inventory List.			
OSHA Specifically Regul	ated Substances (29 CFR 1910.1001-1050)			
Not listed.				
Superfund Amendments and	Reauthorization Act of 1986 (SARA)			
SARA 313 (TRI reporting				
JS state regulations				
US. Massachusetts RTK	- Substance List			
Alkylbenzene sulfonic Ethanol (CAS 64-17-5	acid salts (CAS Proprietary))			
	ind Community Right-to-Know Act			
Alkylbenzene sulfonic Ethanol (CAS 64-17-5	acid salts (CAS Proprietary))			
US. Pennsylvania Worke	r and Community Right-to-Know Law			
Alkylbenzene sulfonic Ethanol (CAS 64-17-5 US. Rhode Island RTK	acid salts (CAS Proprietary))			
	acid salts (CAS Proprietary)			
US. California Propositio				
-	uct contains a chemical known to the State of California to cause of	cancer and birth defects or other		
US - California Propo	osition 65 - CRT: Listed date/Carcinogenic substance			
Ethanol (CAS 64-	17-5) Listed: April 29, 2011 Listed: July 1, 1988			
US - California Propo	osition 65 - CRT: Listed date/Developmental toxin			
Ethanol (CAS 64-	17-5) Listed: October 1, 1987			
nternational Inventories				
Country(s) or region	Inventory name	On inventory (yes/no		
Australia	Australian Inventory of Chemical Substances (AICS)	١		
Canada	Domestic Substances List (DSL)	N		
Canada	Non-Domestic Substances List (NDSL)			
China -	Inventory of Existing Chemical Substances in China (IECSC)			
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Ν		
Europe	European List of Notified Chemical Substances (ELINCS)	Ν		
Japan	Inventory of Existing and New Chemical Substances (ENCS)) N		
Korea	Existing Chemicals List (ECL)	Ν		
New Zealand	New Zealand Inventory	Ν		
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Ν		
United States	Toxic Substances Control Act (TSCA) Inventory	Ye		

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

	16. Other information, including date of preparation or last revision
Issue date	04-09-2015
Version #	01
NFPA ratings	Health: 1 Flammability: 1 Instability: 0



Disclaimer	This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. This product has been designed, manufactured and developed solely for general industrial use only. This product is not designed for, intended for use as, or suitable for, medical, surgical or other particular purposes. Users have the sole responsibility and obligation to determine the suitability of this product for any application, to make preliminary tests, and to confirm the safety of this product for their use. Users must never use this product for the purpose of implantation into the human body and/or injection into humans.
Revision Information	Product and Company Identification: Product and Company Identification Composition / Information on Ingredients: Disclosure Overrides Physical & Chemical Properties: Multiple Properties Toxicological Information: Toxicological Data Ecological Information: Ecotoxicity Regulatory Information: Regulatory Information HazReg Data: International Inventories

GHS: Classification