SCHWARTZ
ADVANCED CHEMISTRY SOLUTIONS

SAFETY
DATA SHEET

SECTION 1: IDENTIFICATION

MANUFACTURER :	**Schwartz Chemical Corporation** **777 McKay Road** **Pickering, Ontario L1W 3A3**	PRODUCT NAME : DYNA PATCH-TRACER DYE PRODUCT CODE : 2W1633 PRODUCT USE : PATCHING COMPOUND
TELEPHONE :	**(905)6830411**	
EMERGENCY TELEPHONE :	**(613)9966666**	

SECTION 2: HAZARD IDENTIFICATION

Physical Hazards	Non Flammable Liquid
Health Hazards	Carcinogenicity - Category 2 Eye Irritation - Category 2B
Label Elements	
Signal Word	Danger
Hazard Statement	Prolonged or repeated contact with skin will cause irrritation, defatting, dermatitis. Respirable dust may cause lung disease (Silicosis) and possibly cancer. Crystalline Silica is IARC and NTP listed as carcinogen. Titanium Dioxide is IARC Group 2B listed - possible human carcinogen based on inadequate evidence on humans and sufficient evidence in experimental animals.
Precautionary Statement	Wear respiratory protection, protective gloves and eye/face protection. Avoid breathing mist, vapours and spray. Keep container tightly closed. Store in a cool, dry and well ventilated area. Wash thoroughly after handling.

SECTION 3: COMPOSITION /INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO	%	NATURE OF HEALTH AND ROUTE OF ENTRY	TYPE OF HAZARD	OTHER HAZARDS
Limestone (Calcium Carbonate)	1317-65-3	30-60	None		
Kaolin Clay	1332-58-7	5-10	None		
Titanium Dioxide	13463-67-7	3-7	None		
Ceramic Microsphere	66402-68-4	10-30	None		
Calcium Aluminum Borosillicate	65997-17-3	3-7	None		
Silica, Quartz (naturally component of Limesto	14808-60-7	0.5-1.4	May cause cancer by inhalation, cause damage to lungs and kid	ACUTE	

SECTION 4: FIRST-AID MEASURES

INHALATION :

Remove victim to fresh air. Restore breathing. Treat symptomatically. Consult a physician.

SPLASH (EYES) :

Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment.

SPLASH (SKIN) :

Wash affected areas with soap and water. Remove contaminated clothing.

INGESTION :

Drink 1 or 2 glasses of water to dilute. DO NOT INDUCE VOMITING.

Consult a physician or Poison Control Center immediately. Treat symptomatically.

SECTION 5 : FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA :

Foam, dry chemical, carbon dioxide or any class B extinguishing agent

UNUSUAL FIRE AND EXPLOSION HAZARDS :

Vapours may iginite explosively. Vapours may spread long distances. Prevent build-up of vapours. Extinguish all pilot lights and turn off heaters, non explosion-proof electrical equipment and all other sources of ignition. Keep away from and do not store or use near heat, sparks or flames caused by such sources as electricity, static discharge, welding, grinding or flamecutting operation. Ground all equipment. Use spark-proof tools and conductive shoes to avoid sparking hazards.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS :

Wear appropriate protective equipment including respiratory protection as condition warrant.

Do not touch or walk through spilled material.

Do not touch damaged containers or spoiled material unless wearing appropriate protective clothing

EMERGENCY PROCEDURES

Keep unnecessary people away

Isolate hazard area and deny entry

Remove all sources of ignition

Ventilate area

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Absorb spill with an absorbent material such as vermiculite or sand and place material into a closed container

If a large spill, dike area to prevent this material from entering water systems or sewers

SECTION 7: HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING

Avoid prolonged or repeated inhalation of vapours or spray mist. Avoid prolonged or repeated skin contact. Ground and bond equipment and container to prevent a static charge build-up.

CONDITION FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep storage area separate from populated work areas. Store in a cool, dry, well ventilated area, out of direct sunlight and away from incompatible materials and any source of ignition.

Ventilation fans and electrical equipment should be non-sparking.

Emptied containers may retain hazardous residue and explosive vapours. Keep away from heat, sparks and flames. Do not cut puncture or weld near this container.

Follow label warning until container is thoroughly cleaned or destroyed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

	ACGIH TLV	OSHA PEL	NIOSH REL
Limestone (Calcium Carbonate)		15 mg/m3 (TWA)	
Kaolin Clay	2 mg/m3 (TWA)	15 mg/m3 (TWA)	10 mg/m3 (TWA)
Titanium Dioxide	10 mg/m3 (TWA)	15 mg/m3 (TWA)	
Cermaic Microsphere	10 mg/m3 (TWA)	15 mg/m3 (TWA)	
Silica, Quartz	0.025 mg/m3 (TWA)	10 mg/m3 (TWA)	0.05 mg/m3

ENGINEERING CONTROLS:

General ventilation is required during normal use. Local exhaust ventilation may be required during certain operations to keep exposure level below the limit listed in Section3 of this data sheet

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION	An organic vapour cartridge mask shall be worn to prevent inhalation of vapours or spray mist when the TLV is exceeded.
	If respiratory protection is required, institute a complete respiratory protection program. Refer to the CSA Standard (Canadian Standard Association).
EYE/FACE PROTECTION	Chemical safety goggles should be worn to prevent eye contact. A face shilled may also be necessary.
HAND PROTECTION	Chemical resistant gloves made of Viton should be used. Gloves made of nitrile, neoprene or rubber may be used for exposure of short duration
OTHER PROTECTIVE EQUIPMENT	Eye wash fountain and safety showers must be available in areas where this material is used. Wear protective clothing to prevent skin contact

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

OSHA = Occupational Safety and Health Administration

NIOSH = National Institute of Occupational Safety and Health

TWA = Time-Weighted Average

STEL = Short Term Exposure Limit

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE :	**White paste**	PERCENT VOLATILE BY WEIGHT	23-25%
ODOUR :	Very low odour	FREEZING POINT :	Not applicable
BOILING POINT :	100°C	SPECIFIC GRAVITY :	1.2 g/ml

SECTION 10: STABILITY AND REACTIVITY

STABILITY	Stable	HAZARDOUS POLYMERIZATION	Will not occur
INCOMPATIBILITY (Materials to avoid)	Heat and oxidizing compounds	CONDITIONS TO AVOID :	Excessive heat and freezing temperatures
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of Carbon		

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS OF OVEREXPOSURE

INHALATION	Excessive exposure to vapours or spray mists can result in headache, dizziness, incoordination and loss of consciousness. Irritation of the eyes, nose, throat and lungs can also occur when exposed to high vapour concentrations. Some reports have associated repeated and prolonged occupational overexposure to solvents with permanent nervous system damage.	
EYE CONTACT	This material can cause eye irritation. The effects are usually reversible.	
SKIN CONTACT	This material may cause defatting and irritation of skin upon prolonged or repeated contact.	
INGESTION	Swallowing can cause nausea, vomiting, diarrhea and loss of consciousness.	
COMPONENTS	SPECIES	TEST RESULTS
Limestone (Calcium Carbonate)		
LD50, Oral	Rat	6450 mg/Kg
Kaolin Clay		
No data available		
Titanium dioxide		
No data available		
Ceramic microsphere		
No data available		
Calcium Aluminum Borosilicate		
No data available		
Silica, Quartz		
LD50, Oral	Rat	>22,500 mg/Kg
CARCINOGENICITY DATA	Crystalline Silica is IARC and NTP listed as carcinogen. Titanium Dioxide is IARC Group 2B listed - possible human carcinogen based on inadequate	
MUTAGENICITY DATA	Based on available data, the classification criteria are not met.	
TERATOGENICITY DATA	Based on available data, the classification criteria are not met.	

SECTION 12: ECOLOGICAL INFORMATION

COMPONENTS
Limestone (calcium carbonate)
No data available
Kaolin Clay
No data available
Titanium dioxide
No data available
Ceramic microsphere
No data available
Calcium Aluminum Borosilicate
No data available
Silica, Quartz
LC50 (carp) >10,000 mg/L
ENVIRONMENTAL FATE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Dispose of this material in accordance with Federal, Provincial and Municipal regulations.
DISPOSAL OF PACKAGING	Empty containers retain product residue and can be dangerous. Do not expose such containers to heat, flame, sparks, static electricity and other sources of ignition, they may explode and cause injury or death. Do not dispose package until thoroughly washed out.

SECTION 14: TRANSPORT INFORMATION

PROPER SHIPPING NAME :	**DYNA PATCH-TRACER DYE**
HAZARD CLASS :	**NON REGULATED**
UN NUMBER :	**NON REGULATED**
PACKING GROUP :	**NON REGULATED**
LABELS REQUIRED:	**Non Flammable compound**

SECTION 15: REGULATORY INFORMATION

CANADIAN REGULATIONS
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
CEPA (Canadian Environment Protection Act) - All components of this product are included on the DSL.

US FEDERAL REGULATIONS
Toxic Substances Control Act (TSCA) All components of this product are included on the TSCA inventory

INTERNATIONAL

SECTION 16: OTHER INFORMATION

Last Revision Date :	January 13, 2013
Preparation Date :	February 22, 2016
Disclaimer :	The information contained herein is offered only as a guide to the handling of this product and has been prepared in good faith by technically knowledgeable personnel. No warranty of any kind is given or implied and Schwartz will not be liable for any damages, losses or injuries which may result from the use of or reliance on any information contained herein. This Safety Data Sheet is valid for three years.