Manufactured by: TENNANT 701 North Lilac Drive P.O. Box 1452 Minneapolis, MN 55440-1452

MATERIAL SAFETY DATA SHEET

Eco-Hard-N-Seal[™]

Concrete Hardener and Sealer

TENNANT

EMERGENCY PHONE NUMBERS:

CHEMTREC: (800) 424-9300 (24 hrs) CANADA: CANUTEC (613) 996-6666 (24 hrs)

District of Columbia: (202) 483-7616 (24 hrs) MSDS Requests: (800) 553-8033 PREPARATION INFO: By: Kevin Hobbie (763) 540-1471 (days)

(612) 834-0118 (mobile)

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

Issue Date:	June 28, 2011	HAZARD RATING	NFPA	HMIS		NFPA	HMIS		e 3 = High	0 = Insignificant	
	September 19, 2008	Health		2	Reactivity	0	0	2 = Modera	te 1 = Slight	COR = Corrosive X = Ask supervisor for guidance.	
Printed:	7/13/2011	Fire		0	Special	0	Х				
¦ 				***** I. IDI	ENTIFICAT	ION ****'	*				
PRODUCT	NAME: Eco-Hard	d-N-Seal™			US DE	PT OF T	RANSP	ORTATION	i (ground)	:	
Concrete H	lardener and Sealer	r			UN#:	UN1760	0	PAC	Kaging Gi	Roup: II	
PART NUM	//BER: 08695-5,	-55			HAZA	RD CLAS	SSIFICA	TION:	Corrosive))	
CHEMICAL FAMILY: Sodium Silicate Solution SHIPPING NAME: Corrosive Liquid, N.O.S.									ò.		
MATERIAL						(contains S	dium Silicate)			
					IYSICAL D		*				
BOILING POINT:						FREEZE POINT:			°F.	/ 0°C.	
DENSITY:		1.17 kg/L			% V	OLATILI	E:		by wt		
SOLUBILITY IN WATER:		Complete			VAF	POR PRE	SSURE		t Available	mm Hg at 20 °C.	
ODOR THRESHOLD:		Not Available			pH:		11.5	5-12.5			
PHYSICAL FORM:		Liquid			Vaf	OR DEN	ISITY:	He	avier	THAN AIR	
APPEARANCE AND ODOR:		Colorless/mild			CO	EFFICIEN	NT WAT	ER/OIL DIS	STRIBUTION	I: Not Available	
EVAPORATION RATE:		Slower	ailable			VOC g/L (lb/gal): STATIC DISCHARGE:			0 (0.00) Not Available		
MECHANICAL IMPACT:		Not Available									
All components after the chemic	are included in the EPA To: al ingredient. This product	xic Substances Control Act (T has been classified in accord	SCA) Chemic ance with the	al Substance In hazard criteria d	oventory. Hazar	dous ingredie trolled Produ	ents, define ucts Regulai	d as Controlled tions) and the M	Products by Cana SDS contains all o	dian WHMIS, are identified by (HZD) of the information required by the CPR.	
			, <u>OSH</u>	<u>A PEL</u>	ACGIH 1		ACGI			LC50	
<u>CHEMICAL</u>	_	<u>CAS # % W</u>			<u>TWA pp</u>		<u>STEL</u>	<u>ppm LD</u>	<u>50</u>	INHALATION	
Sodium Sili	cate	1344-09-8 10-20	0 Not A	vailable	Not Avai	lable	Not A	vailable 200)0-3000 mg/kg	(oral rat) Not Available	
SARA Title III Se None	ection 313 Information	: Components pres	ent in this pr	oduct at a lev	el which could	d require re	porting un	der this statute	e are:		
California Prop	osition 65 Information	: This product contai	ns the follow	ing chemicals	s designated a	as cancer a	nd/or repr	oductive haza	rds under Califo	rnia Proposition 65.	

	***** IV. FIRE AND	EXPLOSIVE HAZARD DATA *****
	LEL: Not Available % UEL: N Not Available ROCEDURES:	FLASH POINT: Not Available / Not Available Setaflash ot Available AUTOIGNITION TEMPERATURE: Not Available / Not Available
	***** V.	REACTIVITY DATA *****
STABILITY: Stable CONDITIONS TO AVOID: INCOMPATIBILITY (material HAZARDOUS DECOMPOSIT	Flammable hydrogen gas may be p s to avoid): Strong acids. TON PRODUCTS: Hydrogen gas.	S POLYMERIZATION (May Occur/Will Not Occur): Will Not roduced on prolonged contact with metals such as aluminum, tin, lead and zinc.
	***** VI. HE	ALTH HAZARD DATA *****
	 Skin Contact Contains materials which may cau aterials which may cause eye irritatic 	E - See Section III for individual ingredients. Ise skin irritation. n. During application/use of this product, contact lenses should NOT be worn.
and respiratory tract irritation upo SUPPLEMENTAL HEALTH INF No known chronic hazards. Not	on inhalation of vapors heated to high ORMATION: isted by the Occupational Health and	ontains materials which have the potential to cause headaches, nausea, dizziness n temperatures. I Safety Administration (OSHA), the National Toxicology Program (NTP) or n. Medical conditions aggravated by exposure: asthma, lung diseases, skin diseases.
		Y AND FIRST AID PROCEDURES *****
Wash clothin EYE CONTACT: Flush immed INGESTION (Swallowing): DO	g before reuse. iately with water for 15 minutes; CAL NOT induce vomiting. If victim is co nove to fresh air. If breathing difficu	nd water for 15 minutes. Seek medical attention if irritation develops and persists. L A PHYSICIAN. nscious, give cupful of water. CALL A PHYSICIAN OR POISON CONTROL CENTER. ty persists or occurs later, consult a physician. EVENTIVE MEASURES *****
SPILL OR LEAK PROCEDURES	STEPS TO BE TAKEN	I IN CASE MATERIAL IS RELEASED OR SPILLED:
appropriate, transfer the liquid a wash affected skin areas with s WASTE DISPOSAL METHOD SPECIAL PROTECTION INFOR	and solid diking material to separate oap and water. Wash clothing befor Dispose of all excess materia MATION	ing. Dike and contain the spill with inert material (sand, earth, fuller's earth, etc.) and if containers for recovery or disposal. Remove contaminated clothing promptly and e reuse. Keep spill out of all sewers and open bodies of water. al, packaging and other waste in accordance with federal, state and local regulations.
RESPIRATORY PROTECTIO		ator whore enrow occure
Use with adequate ventilation. Local exhaust. PROTECTIVE GLOVES (spe	Use a NIOSH approved mist respir cify type):	EYE PROTECTION (specify type)
Impervious gloves; i.e., rubbe SKIN PROTECTION: SPECIAL PRECAUTIONS: Store inside in a cool (below 7 OTHER PRECAUTIONS:	Impervious gloves; i.e., rubber PRECAUTIONS TO BE TAKEN IN 00°F or 37.5°C), dry place. KEEP F	Chemical splash goggles HANDLING OR STORAGE: ROM FREEZING. nination of skin; contaminated clothing should be removed immediately. Spills are very