12704/2015 111 41AM 2	153437252	SII	VERKING			01 / 04
		190 -		· · · · ·	PAGĘ	01/04
	Sid Harvey i	+om # 1-10	5 ° 909	2 # 70049		
	Sid Harvey i			o ₩ 2000 ± 9	( <sub>12</sub> . ()	
	MATERTAL	SAPRTY DATA SI	RET	n an tru chuir an t An tru chuir an tru c	1 - 1 - <u>25</u> -	
	Sector and the sector of the s					
Ident Ly: BYDBO MS #5	<u></u>	ST.	LVER KING H	PROVIC 45	Page 1	
Section I - Manufacturer'	3 Information	- International and the state of the	6444		94 194	
Hiver King Mfg. Co.	Rn	ergency Phone	Buohaze (?)	5) 949-5337	i si i Ce v	۰.
520 Neshaniny Avame		formation Thom				
Farrington, PA 18976	Up	dated: 10/1	115	$(t_{i},t_{i}) \in \mathcal{M}_{i}$		
<u> Begrion II - Hazardous Ir</u>	wredients/Iden	tity Informatio		Name and States and Sta		•
lazardous Componenta	CAS Number	OSBA PEL	ACGI	a TLV g	e de la composición d Composición de la composición de la comp	
OLYALKYLENE GLYCOL STREE OLYPROPLEME GLYCOL 2025	9038-95-3 25322-69-4	0,00 0,00	0.0		i waya	
BIRTHANOLAMIDE	102-71-6	0.00	, 0.0 0.0			
	<u>. Yang kang kang kang kang kang kang kang k</u>	700) [				•
Berlin IIa - Regulatory P	aformation	T. T. W. T. BARRIER, STATISTICS	·		(BA)	•
OT Proper Shipping Rame:				•		
CLEANING CONPOUN	D LIQUID	1. 11. 14. 1			T	
UT CLASS: NA		DOT Mumb	er: NA		1084 -	
MA Status:					6 (3127) No 10	
MA BRLA Status:	· ·			a Waxaa ay	1 × 1	
MA	i na stranic i teknologiji Marine i se			an a		
ARA/TIDIC ELL - CERA LI	second	· · ·	•		i saya Nana	
BA HANTI AT IN BAR		÷		in the set of the set		
Material Name	CAS M	under	Z Repo	rtable Quantity		
ARA/Ticle III - Toxic Chem	ical List:		······································		(1830) 	
NA way dire with party it				s 	- 2	
Material Name	CAS .Bu	mber .	Z · Repo	rtable Quantity		•
SCA Inventory Status: All	components 11	sted on TSCA 1	IVentory		. 4440 - J	
						•
ection III Physicsl/Chem	ical Charaster	istics	-	<ul> <li>March 2010 Control of the second se Second second seco</li></ul>		
oiling Point: 212.	0 F Specifi					
apor Pressure (num Rg) :	NA	Melting Poir	<u>**1):</u> 1	0400 to 1.0600	i de la companya de la	•
apor Density (air*1): alability in Water:	NA	Ryaporation	Rate (water=	1): 1.00		•
Complete	and the second s	. <u>pu</u> : 6.70	to 7.80		11. J. 194	
ppearance and Odor:	an a					-
Practically no odo-						
	1411 1411	· · · ·	•	n shi t <sub>a a</sub> nayan Tari		
ention IV- Fire and Replosi	op Harard Date				<b></b>	
Lash Point: NA 1		Juran and a the		The foregroup to the second	<b>1</b> 1	
2thod Used:	Flarmable	Limite LEL	<b>NA</b>	UEL: NA	5	· ·
RA	and the second		en L	n an		•
tinguishing Media: CO2, Water, Foam, ing Chem	teal	×			Ja V	•
		۲.		1		-
				tan ang ang ang ang ang ang ang ang ang a		
a semicine acceleration and a second s			· · · · · · · · · · · · · · · · · · ·		8 - j	
	4) 			e se tra est	4 <sup>1</sup>	

12/04/2015 11:41AM 2153437252	SILVERKING		PAGE 02/04
			х <b>е</b> .
		and the second second	
Identity: HYDRONIC #5	SILVERY KING	HYDRONIC 5	Page 2
Special Fire Fighting Procedures:			
This product requires no known special profile fighters, should be protected from distince the exact nature and amounts of posted withown.	TOAT physeles ] sanks	التكافية والمعادية المستحد	ICT N
Unusual fire and Explosion Hazards:		21. X.	GE .
NONE KNOWN			
Section V - Reactivity Data			
Stability: Stable Conditions to Avoid: NA			n na sa
Incompatibility (Maserials to Avoid): Strong Oxidizing agents			· · · ·
Hazardous Decomposition or Byproducts:		-1	{********* 2.
CO., CO2, plus misc. unknowns in small amount Hazardous Polymerization: May Not Occur	ts.	•	n de la companya de l Na companya de la comp
Conditions to Avoid	. •	a dia 1999. Arist	
		en e	
Section VI - Health Hazard Data	?국외 환성 중 코그리는 귀해 준 번 프 프 그 국 도 대 B	رو میں اور <u>میں میں میں میں میں میں میں میں میں میں </u>	
Route (a), of Entry:			
Inhalation? Slight Skin? Sli	ght Inges	tion? Slight	i an th
Health Hazards (Acute and Chronic): Acute and chronic health hazards are diffic		0	
Acute and chronic health hazards are diffic In general see the first aid section for ac			
can be studied from the individual hazardou	te results. Specifi		8
as the best fuese without extensive laborate Carcinogenicity:	ory studies.	aced under Sect1	on 11
NTP? None Known IARC Monographs? None	Known OSHA Regula	tod? Nome Ve	`vítz? +328
Signs and Symptoms of Exposure:		a an an Trette	
This product may irritate eyes on contact, contact. Grai ingestion may cause mild gasts	Contestional distra	expected on skin	1 Research
meandar conditions Generally Aggravated by Exac	SUTP:		
A knowledge of the available toxicology in of the material suggests that exposure is unl conditions. However, due to the widely varyi an individual will have to evaluate his/her p	ikely to aggravate e	xisting medical	
ball gency and first Ald Procedures:			
EYES: Wash with mater for 15 minutes, see		1997 - 1997 -	
SKIN t Wash with water, apply skin lotion 1 OTHER Wash mouth and other eress with wate	f redness persists.		
	E a second		adagan Margad
See a doctor if ingested.		n an	en la seguita de la companya de la c
	내 에 데 데 해 한 것 같은 유가 있 가 더 가 된 것 같으므로 한 근 ㅡ ㅡ		
	н 	1	· 装装
		and the second se	: (),
The alternative state of the second secon		e A	•
		Constant and	

12/04/2015 11:414	M 2153437252	SILVERKIN	NG	PAGE	03/04
a starten and start	та Та	170		1.1	
and the second					
Identity: HYDRON	NIC #5	617 TTN	WWW. BEER & ALLER & LE		ъ.
Section VII - Prec			KING HYDRONIC 5	Page 3	
in the second			***************************************	و بیر بنی اندا کا کا دو ا	
Steps to Be Taken i	n Case Material	is Released or Spilled	1:	<i>i</i> .	
	emove residues. and Local laws.	Dispose of all material	- ays, sawdust, earth) an Flush balance of area Lal in accordance with	d sources	
		IREP NOTE CHARTER SHARE	m situation to situation		
can be given if are ultimately of offone sort or a state they press	However, one musi destined to go "o another. General ent no particular	t keep in mind that all down the drain" since the lly, in a highly dilute	m situation to situation red waste disposal method l of these type product they are cleaning compo- ed or completely neutra , they can be treated a r proper waste treatmen	hod ts ounds alized	- 19 -
Neither the prod stream, creek, o	luct nor its effi	uent should be dischar	rged into any river, le	ike,	
DEP or DER dep	ending on your s	tate laws.	roper authority like th	le 👬	
Precautions to be Te	ken in Handling	and Storing:	-		
other chemicals trained supervis product keep dry Improperly double if sensitivity of problems become of	except under dir or. Mix only wi at all times, an e or triple decks t aggravation of evident, stop was	allergy, or unanticipat	s). ated personal health	he ka	•
Other Precautions:	ENTION SUG CUS. CO	ncentrate will have di	ifferent safety precaut	ions.	• .
CONTRACTOR OF STREET, SA	ted clothing bef articles chat ca	ore re-use. Discard a n not be properly clea	all contaminated gloves aned.	به به معنی او ا او ا	
do part i freizi p			15		
Section VIII Contr	ol Measurea		and the second sec		: <u>*</u>
Respiratory Protection	n (Specific Typ	8):		<b>1969 - 1997 - 1997 - 1997 - 1997 - 1997</b> 19	:===#
Usually none need. Ventilation:	ed.		n de la constante de la constan La constante de la constante de	tanan tan	на. С. 1911 г.,
Local Exhaust:	Recom	nended Spe		•	
Mechanical (Genera	al): Veuell	Ly sufficient Other	cial: NA er: NONE	KNOWN	
Protective Gloves:	•				
Eye Protection:	es are recommende	ed, I.e. Playtex type.	e santa en el	· · ·	
Safety glasses or	chemical splash	goggles are always rec	commended, as are eyewa	ish	
foundations in all Other Proceetive Cloth	- ruouscitai proc	essing areas.	3.16.366 west	AND DATE:	• .
Wear long sleeve s	hirts and manre	Launder dirty unifor			
WASH OF SHOWET CHT	ly co maintain g	ood cleanliness when i	in contact with		·
varrous creaning o	r water treating	chemicals.		:	
	24. """"""""""""""""""""""""""""""""""""""				
Petrova Startes 1461 - Chinage			ین این این این این این این این این این این		· ••
THE FORMER DO					<b>,</b>

12/04/2015 11:41AM	2153437252	SILVERKING		PAGE	04/04
A MARINE TERMETERS				19 and	
	х. Алтан И. — Алтан И. — Алтан		· · ·		-
	м. М. С.				
Identity: HYDRONIC #	5	STIUDD	WING BUDDONTO	i bata pa Tanàna	``
			KING HYDRONIC 5	Rage 4	****
Work/ Hygienic Practi	<u>ces:</u>				
Non-Slip safet	y shoes with a spl eanStay Clas	ash apron are good	practices to follow.	۰ د مد مد	
Start Cl			work Safely.	1. A.	· .
Section LX - Document.	ary Information		ᆇᆇᇦᅾᆂᆂᆮᇋᇊᇆᇕᄲᇔᆋᇭᄙᆋᅷᅶᆂᇎᆂᅢ	n n ministration and a	
	awagaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaa				
Comments:					
Section II Razar	dous Material Sec	tion Percentage Key	. If no hazardous che	micele	`
are i	bleacht then this i	section is not appli	icalbe.	WTCGT2	
Trace -	0.0% to 0.1% tô	0.1%	2 Kanadrone, a	A.	·
Some 1.	1.0% to	5.0%		- - -	•
Minar Comp - Sübstantiti -	5.0% to	25.0%			
Major Comp -	50.07 50	50.0% 100.0%			•
Substances listed	in Section II are	those Identified an	being present at e	yili in iy	
and the second	s of freater, or (	1,1% if the substanc Hazard Communicatio		1999 (A.	
melfusection II does	not contain any h	azardous chemicale	n SID: as presently defined		
THE REPARCEDUCE	LOUICS LNE MERRIA			n y Alfred Alfred	
••• • will appear	r in this section	CHEMICALS********	*****		
a serie de la constante de la c La constante de la constante de		1		i di j	•
AULE: FOR SOLID P	roducts, pH is tak	en of a 2% solution			•
The informatio	on presented herein	n has been compiled	from sources consider	ed	
			s knowledge or has bee search beyond our	n	
	ΟΠΟΠΙΤΟΡΙ ΓΕΡΙΚΙΝΙΙ			497\$2\$25 0.55	۰.
from this report.	or of merchantabi	lity of the product	or of results obtain	ed set	
Marself you determi	ne that the date d	loes not meet your n	needs or that question		
remain, consult you product.	r supplier before	you purchase, store	, transport or use th	s is <sub>dia</sub> a	
	•	+	esman for use of this	1.1	
「「「「「「「「「「」」」」」「「「「」」」」」」」」」」」			0.17		• •
Feeponsibility for property and buyer :	lulury to buver or	to third persons of	r for any damage to		
	tosomes all such I	18KS.	anti. Antonio di		
		끹쨔 <b>붜뤻콎쿝럆는ಐᅳ</b> ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;			
an Danara an Airaga an San Balanan an Ingara	· · · · · · · · · · · · · · · · · · ·			Naslaud V	
1250 m (2) b (3) r (2) r (2) r (2)	•		• •	h national	
Et mar hor to				1997. 1	
romann, a mhaidh. brodust, e ******			n a chuir a'	1 61 E	
					• •
NOCOMAR DE LA SULLE		an a	and a state of the	4 위험 E ANDE	
and the second secon		and and a second se	en e		•
	. •				
error - Sector and the sector of the sector	24 24		and the second	astronici -	
				$\frac{d^{\alpha}}{2} \bigvee \frac{\varphi}{2},$	
rich N. Malensie, gie (1997), S					

M <u>FG 4</u> 8 H # Hydronic5 MATERIAL SAFETY DATA SHEET F1-105 SILVER\_KING\_HYDRONIC\_#5 Identity: HYDRONIC #5 Page 1 \_\_\_\_\_ Section I - Manufacturer's Information \_\_\_\_\_ Emergency Phone Number: (215) 343-5337 Silver King Mfg. Co. 620 Neshaminy Avenue Information Phone Number: (215) 343-5337 Updated: 12/14/1995 Warrington, PA 18976 Section II - Hazardous Ingredients/Identity Information ACGIH TLV % Hazardous Components CAS Number OSHA PEL POLYALKYLENE GLYCOL ETHER 9038-95-3 0.00 0.00 Some POLYPROPLENE GLYCOL 2025 25322-69-4 0.00 0.00 Minor Comp 0.00 TRIETHANOLAMINE 102 - 71 - 60.00 Trace \_\_\_\_\_ <u>Section IIa - Regulatory Information</u> DOT Proper Shipping Name: CLEANING COMPOUND LIQUID (NON-HAZARDOUS) DOT Class: NA DOT Number: NA **RCLA Status:** NA CERLA Status: NA SARA/Title III - CERLA List: NA Material Name CAS Number % Reportable Quantity SARA/Title III - Toxic Chemical List: NA % Reportable Quantity CAS Number Material Name TSCA Inventory Status: All components listed on TSCA Inventory Section III - Physical/Chemical Characteristics Specific Gravity (H2O=1): 1. 0400 to .0600 Boiling Point: 212.0 F Vapor Pressure (num Hq): NA Melting Point: NA Vapor Density (air=1): Evaporation Rate (water=1): 1.00 NA pH: 6.70 to 7.80 Solubility in Water: Complete Appearance and Odor: Clear Liquid Practically no odor Section IV- Fire and Explosion Hazard Data Flash Point: LEL: NA UEL: NA NA Flammable Limits Method Used: NA Extinguishing Media: CO2, Water, Foam, Dry Chemical

Identity: HYDRONIC #5 SILVER KING HYDRONIC 5 Page

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled:

Absorb small spills with suitable material (sand, clays, sawdust, earth) and place into leak-proof container for later disposal. Flush balance of area with water to remove residues. Dispose of all material in accordance with Federal, State, and Local laws.

## Waste Disposal Method:

Since Federal, State, and local laws vary greatly from situation to situation, and since these materials are mixtures, no one preferred waste disposal method can be given. However, one must keep in mind that all of these type products are ultimately destined to go "down the drain" since they are cleaning compounds of one sort or another. Generally, in a highly diluted or completely neutralized state they present no particular environmental hazard, they can be treated as ordinary waste, which is piped to a sanitary sewer for proper waste treatment.

Neither the product nor its effluent should be discharged into any river, lake, stream, creek, or watershed that might contaminate drinking water or well water. Any discharge must be specifically permitted by the proper authority like the DEP or DER depending on your state laws.

Precautions to be Taken in Handling and Storing:

Do not freeze product. Do not subject product to excessive heat. Keep out of the reach of children. Do not contaminate food stuffs. Do not mix with any other chemicals except under direct supervision of a chemist, or technically trained supervisor. Mix only with water. During storage and transport of the product keep dry at all times, and do not exceed container integrity (i.e. improperly double or triple decking of pallitized goods).

If sensitivity or aggravation of allergy, or unanticipated personal health problems become evident, stop use and see your supervisor. Keep in mind that often the use solution and the concentrate will have different safety precautions.

Other Precautions:

Launder contaminated clothing before re-use. Discard all contaminated gloves, boots, and other articles that can not be properly cleaned.

#### 

Section VIII - Control Measures

Respiratory Protection (Specific Type):

Usually none needed.

Ventilation:

Local Exhaust:	Recommended	Special:	NA
Mechanical (General):	Usually sufficient	Other:	NONE KNOWN

# Protective Gloves:

Light rubber gloves are recommended, I.e. Playtex type.

### Eye Protection:

Safety glasses or chemical splash goggles are always recommended, as are eyewash foundations in all industrial processing areas.

#### Other Protective Clothing or Equipment:

Wear long sleeve shirts and pants. Launder dirty uniforms regularly. Wash or shower daily to maintain good cleanliness when in contact with various cleaning or water treating chemicals.

Identity: HYDRONIC #5 SILVERY_KING_HYDRONIC 5P	age_2_
Special Fire Fighting Procedures: This product requires no known special procedures during a fire. Fire fighters should be protected from direct physical contact with the product since the exact nature and amounts of possible contaminants during a fire will be unknown.	
Unusual fire and Explosion Hazards:	
NONE KNOWN ===================================	
Section V - Reactivity Data	======
Stability:       Stable         Conditions to Avoid:       NA         Incompatibility (Materials to Avoid):       Strong Oxidizing agents         Hazardous Decomposition or Byproducts:       CO, CO2, plus misc. unknowns in small amounts.         Hazardous Polymerization:       May Not Occur         Conditions to Avoid:       NA	
Section VI - Health Hazard Data	
Route(s) of Entry:	
Inhalation? Slight Skin? Slight Ingestion? Slight Health Hazards (Acute and Chronic):	
Acute and chronic health hazards are difficult to accurately assess for mixtures. In general see the first aid section for acute effects and long term effects would have to be derived from these immediate results. Specific chronic effects can be studied from the individual hazardous chemicals as indicated under Section I as the best fuess without extensive laboratory studies.	Ĩ
Carcinogenicity: NTP? None Known IARC Monographs? None Known OSHA Regulated? None Known	
Signs and Symptoms of Exposure: This product may irritate eyes on contact, but no reaction is expected on skin contact. Oral ingestion may cause mild gastrointestional distress. Medical Conditions Generally Aggravated by Exposure:	
A knowledge of the available toxicology information and of the physical propertie of the material suggests that exposure is unlikely to aggravate existing medical conditions. However, due to the widely varying uses and personal exposures possible an individual will have to evaluate his/her particular situation. Emergency and First Aid Procedures:	
EYES: Wash with water for 15 minutes, see a doctor	
SKIN: Wash with water, apply skin lotion if redness persists.	
OTHER: Wash mouth and other areas with water	
See a doctor if ingested.	

See a doctor if ingested.

 Idéntity:
 HYDRONIC #5
 Page 4

 Work/ Hygienic Practices:
 Non-Slip safety shoes with a splash apron are good practices to follow.

 -----Start Clean----Stay Clean----End Clean = Work Safely.

 Section IX - Documentary Information

### Comments:

Section II Hazardous Material Section Percentage Key. If no hazardous chemicals are present then this section is not applicable.

NIL -		0.0%	to	0.1%
Trace -		0.12	tó	1.0%
Some -		1.0%	to	5.0%
Minor Comp .	_	5.0%	to	25.0%
Substantial		`25.0 <b>%</b>	to	50.0%
Major. Comp	-	50.0%	50	100.07

Substances listed in Section II are those identified as being present at a concentration of 1% or greater, or 0.1% if the substance is on the list of potential carcinogens cited in OSHA Hazard Communication STD.

If section II does not contain any hazardous chemicals as presently defined in our applicable tables the message. . . .

. . . . will appear in this section above.

Note: For solid products, pH is taken of a 2% solution.

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of seller's knowledge or has been generated to the best of our ability without extensive research beyond our understanding or economical feasibility. Seller makes no warranty whatsoever expressed, implied, or of merchantability of the product or of results obtained from this report.

If you determine that the data does not meet your needs or that questions remain, consult your supplier before you purchase, store, transport or use this product.

Consult a technically trained service-person or salesman for use of this product as it specifically pertains to your situation. Seller assumes no responsibility for injury to buyer or to third persons or for any damage to property and buyer assumes all such risks.