

MATERIAL SAFETY DATA SHEET

Glen Martin LIMITED

16-106 Saunders Rd., Barrie, Ont. L4N 9A8
 tel: (705) 721-8800 1-800-461-5455 fax: (705) 721-7846

PRODUCT INFORMATION

PRODUCT NAME	Champ
CHEMICAL FAMILY INORGANIC SALT/QUATERNARY	WHMIS CLASS: E

PHYSICAL PROPERTIES

APPEARANCE AND ODOUR	LIQUID	GREEN	CITRUS
BOILING POINT (°C)	N.D.	EVAPORATION RATE (nBuAc= 1)	N.D.
VAPOR PRESSURE (mm Hg)	N.D.	VISCOSITY (cps) 22°C 20rpm spindle #	N.D.
VAPOR DENSITY (AIR = 1)	N.D.	FREEZING POINT (°C)	N.D.
SOLUBILITY IN WATER	COMPLETE	pH	13,2
VOLATILE BY VOLUME	90,7	SPECIFIC GRAVITY (WATER = 1)	1,036
ACTIVE MATERIAL	9,3		

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS OR UN number	%	TLV (units)
SODIUM METASILICATE	CAS 6834-92-0	1-5	N.D.
POLYOXYETHYLENE C12-C14 ETHER	CAS 68439-50-9	1-5	N.D.
BENZALKONIUM CHLORIDES	CAS 139-08-2	1-5	N.D.
SODIUM NITRILOTRIACETATE	CAS 18662-53-8	1-5	N.D.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): N.D.	
FLAMMABLE LIMITS	LOWER: N.D. UPPER: N.D.
EXTINGUISHING MEDIA:	N.Av.
SPECIAL FIRE FIGHTING PROCEDURES:	N.Av.
UNUSUAL FIRE AND EXPLOSIVE HAZARDS:	N.Av.
AUTOIGNITION TEMPERATURE: N.D.	
DATE: February 12, 2014	phone:(705) 721-8800 1-800-461-5455
	DIRECTOR R&D

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Champ

TOXICOLOGICAL PROPERTIES

THRESHOLD LIMIT VALUE: N.D.
EFFECTS OF OVEREXPOSURE: SKIN CONTACT: MAY CAUSE IRRITATION EYE CONTACT: CORROSIVE INHALATION INGESTION CORROSIVE
EMERGENCY AND FIRST AID PROCEDURES: SKIN CONTACT: RINSE WITH PLENTY OF WATER FOR 15 MINUTES EYE CONTACT: RINSE WITH PLENTY OF WATER FOR 15 MINUTES; SEE A PHYSICIAN INHALATION INGESTION DRINK MILK OR PLENTY OF WATER; SEE A PHYSICIAN

REACTIVITY DATA

STABLE: STABLE	CONDITIONS TO AVOID: N.Av.
INCOMPATIBILITY WITH: N.Av.	
HAZARDOUS DECOMPOSITION PRODUCTS: N.Av.	
HAZARDOUS POLYMERIZATION: NO	CONDITIONS TO AVOID: N.Av.

SPILL OR LEAK PROCEDURES

PREVENTIVES MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: RINSE WITH WATER. IN CASE OF SPILLAGE ABSORB AND DISPOSE OF IN ACCORDANCE WITH LOCAL APPLICABLE REGULATIONS
WASTE DISPOSAL METHOD: FOLLOW FEDERAL, PROVINCIAL AND LOCAL ORDINANCES IN REGARDS WITH WATER BASED DETERGENT

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: N.Av.	
VENTILATION MECHANICAL GENERAL	
PROTECTIVE GLOVES: RUBBER	EYE PROTECTION: GOGGLES
OTHER PROTECTIVE EQUIPMENT: N.Av.	

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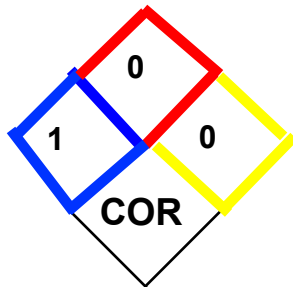
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Champ

SPECIAL PRECAUTIONS

STORAGE TEMPERATURE	MIN 0°C	MAX 38°C
TDG: CORROSIVE LIQUID NOS(METSO) UN 1760 CLASS 8 PQ.GR. II PLACARDS 8 LABELS 8 + WAY-UP		

NFPA



SIMD / HMIS

Santé / Health	1
Inflammabilité / Flammability	0
Réactivité / Reactivity	0
Protection personnelle / Personal protection	b

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PRODUCT INFORMATION

PRODUCT NAME	CHAMP	
CHEMICAL FAMILY	Inorganic salt quaternary	WHMIS CLASS: E

PHYSICAL PROPERTIES

APPEARANCE AND ODOUR	LIQUID	GREEN	CITRUS
BOILING POINT (°C)	N.D.	EVAPORATION RATE (nBuAc= 1)	N.D.
VAPOR PRESSURE (mm Hg)	N.D.	VISCOSITY (cps) 22°C 20rpm spindle #4	N.D.
VAPOR DENSITY (AIR = 1)	N.D.	FREEZING POINT (°C)	N.D.
SOLUBILITY IN WATER	SOLUBLE	pH	13,2
VOLATILE BY VOLUME	90,7	SPECIFIC GRAVITY (WATER = 1)	1,036
ACTIVE MATERIAL	9.3		

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS OR UN number	%	TLV (units)
SODIUM METASILICATE	CAS 6834-92-0	1-5	N.D.
POLYOXYETHYLENE C12-C14 ETHER	CAS 68439-50-9	3-7	N.D.
BENZALKONIUM CHLORIDES	CAS 139-08-2	1-5	N.D.
SODIUM NITRILOTRIACETE	CAS 18662-53-8	1-5	N.D.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): >94°C pmcc
FLAMMABLE LIMITS LOWER: N.D. UPPER: N.D.
EXTINGUISHING MEDIA: N.Av.
SPECIAL FIRE FIGHTING PROCEDURES: N.Av.
UNUSUAL FIRE AND EXPLOSIVE HAZARDS: N.Av.
AUTOIGNITION TEMPERATURE: N.D.
DATE: February 12, 2014
phone:(705) 721-8800 1-800-461-5455
DIRECTOR R&D

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CHAMP

TOXICOLOGICAL PROPERTIES

THRESHOLD LIMIT VALUE: N.D.

EFFECTS OF OVEREXPOSURE:

SKIN CONTACT:

EYE CONTACT: IRRITATION AND REDNESS

INHALATION

INGESTION IRRITATION

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: RINSE WITH WATER

EYE CONTACT: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES; SEE A PHYSICIAN

INHALATION

INGESTION DRINK LARGE QUANTITY OF WATER; SEE A PHYSICIAN

REACTIVITY DATA

STABLE: STABLE

CONDITIONS TO AVOID: N.A.v.

INCOMPATIBILITY WITH: N.A.v.

HAZARDOUS DECOMPOSITION PRODUCTS: N.A.v.

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: N.A.v.

SPILL OR LEAK PROCEDURES

PREVENTIVES MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

RINSE WITH PLENTY OF WATER

WASTE DISPOSAL METHOD:

FOLLOW FEDERAL, PROVINCIAL AND LOCAL ORDINANCES IN REGARDS TO WATER BASE DETERGENT

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: N.A.v.

VENTILATION MECHANICAL GENERAL

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: GOGGLES

OTHER PROTECTIVE EQUIPMENT: N.A.v.

MATERIAL SAFETY DATA SHEET

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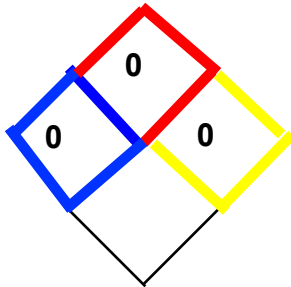
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CHAMP

SPECIAL PRECAUTIONS

STORAGE TEMPERATURE	MIN 1°C	MAX 43°C
TDG: N.R.		

NFPA



SIMD / HMIS

Santé / Health	0
Inflammabilité / Flammability	0
Réactivité / Reactivity	0
Protection personnelle / Personal protection a	

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PRODUCT INFORMATION

PRODUCT NAME	Champo concentré/concentrated
CHEMICAL FAMILY	INORGANIC SALT/QUATERNARY
WHMIS CLASS:	E

PHYSICAL PROPERTIES

APPEARANCE AND ODOUR	LIQUID	GREEN	CITRUS
BOILING POINT (°C)	N.Av.	EVAPORATION RATE (nBuAc= 1)	N.Av.
VAPOR PRESSURE (mm Hg)	N.Av.	VISCOSITY (cps) 22°C 20rpm spindle #	N.Av.
VAPOR DENSITY (AIR = 1)	N.Av.	FREEZING POINT (°C)	N.Av.
SOLUBILITY IN WATER	COMPLETE	pH	13,2
VOLATILE BY VOLUME	80,6	SPECIFIC GRAVITY (WATER = 1)	1,081
ACTIVE MATERIAL	19,4		

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS OR UN number	%	TLV (units)
SODIUM METASILICATE	CAS 6834-92-0	3-7	N.D.
POLYOXYETHYLENE C12-C14 ETHER	CAS 68439-50-9	3-7	N.D.
BENZALKONIUM CHLORIDES	CAS 139-08-2	1-5	N.D.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used):	N.Av.		
FLAMMABLE LIMITS	LOWER: N.Av.	UPPER: N.Av.	
EXTINGUISHING MEDIA:	N.Av.		
SPECIAL FIRE FIGHTING PROCEDURES:	N.Av.		
UNUSUAL FIRE AND EXPLOSIVE HAZARDS:	N.Av.		
AUTOIGNITION TEMPERATURE:	N.Av.		
DATE:	July 31, 2012	phone:(705) 721-8800 1-800-461-5455	DIRECTOR R&D

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Champ concentré/concentrated

TOXICOLOGICAL PROPERTIES

THRESHOLD LIMIT VALUE: N.Av.

EFFECTS OF OVEREXPOSURE:

SKIN CONTACT: MAY CAUSE IRRITATION

EYE CONTACT: CORROSIVE

INHALATION

INGESTION CORROSIVE

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: RINSE WITH PLENTY OF WATER FOR 15 MINUTES

EYE CONTACT: RINSE WITH PLENTY OF WATER FOR 15 MINUTES; SEE A PHYSICIAN

INHALATION

INGESTION DRINK MILK OR PLENTY OF WATER; SEE A PHYSICIAN

REACTIVITY DATA

STABLE: STABLE

CONDITIONS TO AVOID: N.Av.

INCOMPATIBILITY WITH: N.Av.

HAZARDOUS DECOMPOSITION PRODUCTS: N.Av.

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: N.Av.

SPILL OR LEAK PROCEDURES

PREVENTIVES MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

RINSE WITH WATER. IN CASE OF SPILLAGE ABSORB AND DISPOSE OF IN ACCORDANCE WITH LOCAL APPLICABLE REGULATIONS

WASTE DISPOSAL METHOD:

FOLLOW FEDERAL, PROVINCIAL AND LOCAL ORDINANCES IN REGARDS WITH WATER BASED DETERGENT

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: N.Av.

VENTILATION MECHANICAL GENERAL

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: GOGGLES

OTHER PROTECTIVE EQUIPMENT: N.Av.

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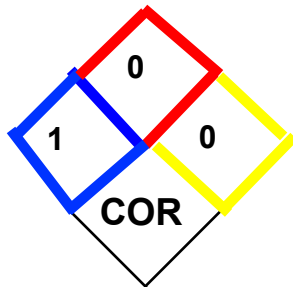
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Champ concentré/concentrated

SPECIAL PRECAUTIONS

STORAGE TEMPERATURE	MIN 0°C	MAX 38°C
TDG: CORROSIVE LIQUID NOS(METSO) UN 1760 CLASS 8 PQ.GR. II PLACARDS 8 LABELS 8 + WAY-UP		

NFPA



SIMD / HMIS

Santé / Health	1
Inflammabilité / Flammability	0
Réactivité / Reactivity	0
Protection personnelle / Personal protection	b