



SAFETY DATA SHEET

WORKFORCE Combi-Clean

Revision Date 2/11/2016

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name **WORKFORCE Combi-Clean** Item **WF9301225LQ**
 Product Use Oven Cleaner **WF9401**

Company Name Magnus Office (855) 962-4687
 3680 W Royal Lane, Suite# 155A Fax
 Irving, TX 75063 Web

EMERGENCY TELEPHONE NUMBER CHEMTREC (800) 424-9300

SECTION – 2 HAZARDS INFORMATION

Health Hazards EYES-Category 1; SKIN-Category 2
 Environmental CHRONIC-Aquatic Toxicity-Category 4



Danger Causes serious eye damage, Causes skin irritation
 May be harmful if swallowed, Do not get in eyes, on skin, or clothing, and avoid inhalation of mist, Do not smoke, eat or drink while using, Use personal protective equipment as required, Wash thoroughly after handling, Avoid release into the environment

SECTION – 3 COMPOSITION INFORMATION (Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Potassium Hydroxide	KOH, Caustic Potash	1310-58-3	Water < 65%	1 - 3%
Alkoxylated Carboxylate	Supplier Proprietary Surfactant	Unknown		1 - 2%
EDTA Tetrasodium Salt	Ethylenediaminetetraacetic Acid Tetrasodium Salt	64-02-8	Sodium Hydroxide < 1.6%, Nitrotriacetate, trisodium salt (NTA) < 1%, Sodium hydroxyacetate < 3%	1 - 2%

SECTION – 4 FIRST AID MEASURES

EYE CONTACT Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists obtain medical attention, preferably from an ophthalmologist

SKIN CONTACT Wash contaminated skin with plenty of water, Remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical attention

INHALATION Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention

INGESTION DO NOT INDUCE VOMITING. If person is fully conscious, rinse mouth out and give one to two glasses of water to dilute and obtain immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration into the lungs

Aspiration Hazard Not applicable

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Causes serious eye irritation, redness, tearing, pain, or possible corneal injury
Skin Can cause skin irritation, itching, redness, drying or cracking
Inhalation Mist may cause irritation, to respiratory tract
Ingestion May be harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye irritation, redness, tearing, pain, corneal injury, or possible eye damage
Skin Causes skin irritation, defatting of the skin which may lead to dermatitis
Inhalation Mist may cause irritation, to nose, throat, mucus membranes or respiratory tract
Ingestion May be harmful if swallowed, Causes irritation, of the mouth, throat, and esophagus, May affect target organs, Symptoms may include, nausea, vomiting, abdominal pain

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable: Use extinguishing media for surrounding fire
Hazardous Decomposition	Burning or thermal decomposition can produce, aldehydes, carbon monoxide, carbon dioxide, silicon oxides, ketones, and other toxic fumes
Reactive With	Incompatible with, strong oxidizing agents, strong acids
Explosion Hazards	Not applicable
Static Discharge	Not applicable
Mechanical Impact	Not applicable
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill
Personal Precautions	Ventilate area, Avoid slipping on spilled product
Protective Equipment	Safety Glasses, Chemical Gloves and Rubber Boots
Containment	Use absorbent socks or pads to prevent spill from spreading
Clean Up Procedures	Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Use appropriate safety equipment, and adequate ventilation, Avoid eye and skin contact, Avoid inhalation of mist, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment
Storage	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store away from incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong acids

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
EDTA Tetrasodium Salt	None Established				ED,SI
Alkoxyated Carboxylate	2 mg/m ³	6 mg/m ³	2 mg/m ³		ED,SI
Potassium Hydroxide	2 mg/m ³		2 mg/m ³		ED,SD

PERSONAL PROTECTIVE EQUIPMENT

Chemical Safety Glasses, Goggles or Face Shield



Impervious Chemical Gloves



Eye Wash (Recommended)

**Ventilation**

General Ventilation

If exposure limits listed above are exceeded, or irritation is experienced, use a MSHA / NIOSH approved respirator

HMIS HAZARD RATINGS

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	> 93.3°C (200°F) - TAG Closed Cup	Specific Gravity / Density	1.03
Flammable Limits	ND	pH (± 0.3)	11.3
Auto-Ignition Temp.	ND	Viscosity	ND
Physical State	Liquid	Freeze Point	~ 0°C (32°F)
Appearance	Red	Boiling Point	~ 100°C (212°F)
Odor	None	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mm Hg)	ND
Solubility	100%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 97%	Partition Coefficient	ND
VOC	0.0%	Molecular Weight (g/mol)	ND
LVP-VOC	0.0%	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable when stored below 49°C (120°F)
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong acids
Thermal Decomposition	Burning or thermal decomposition can produce, aldehydes, carbon monoxide, carbon dioxide, silicon oxides, ketones, and other toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Inhalation (Yes "Mist"), Ingestion (Yes)

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	Causes serious eye irritation, redness, tearing, pain, or possible corneal injury
Skin	Can cause skin irritation, itching, redness, drying or cracking
Inhalation	Mist may cause irritation, to respiratory tract
Ingestion	May be harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes serious eye irritation, redness, tearing, pain, corneal injury, or possible eye damage
Skin	Causes skin irritation, defatting of the skin which may lead to dermatitis
Inhalation	Mist may cause irritation, to nose, throat, mucus membranes or respiratory tract
Ingestion	May be harmful if swallowed, Causes irritation, of the mouth, throat, and esophagus, May affect target organs, Symptoms may include, nausea, vomiting, abdominal pain

Acute Tox Calculated Oral: 4,418 mg/kg Dermal: 21,123 mg/kg Inhaled: (No Data) mg/L
 Acute Tox Category Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), No data available (Inhaled)

Additional Info

Target Organs	Eyes (Lens or cornea), Skin
Medical Conditions	Preexisting, eye, skin, disorders may be aggravated by exposure to this product
Notes to Physician	In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
None Listed	NA	NA	NA	NA

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Potassium Hydroxide	LD50	Oral	Rat	410 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rabbit	> 2520 mg/kg		(>2000 mg/kg)
EDTA Tetrasodium Salt	LD50	Oral	Rat	630 mg/kg		(>2000 mg/kg)
Alkoxyated Carboxylate	LD50	Dermal	Rabbit	1350 mg/kg		4 (>1000, ≤2000 mg/kg)

SECTION – 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Potassium Hydroxide	LC50	Mosquito Fish	(Gambusia affinis)	80 mg/L	24 Hours	3 (>10, ≤100 mg/L)
EDTA Tetrasodium Salt	LC50	Bluegill	(Lepomis macrochirus)	760 mg/L	96 Hours	4 (>100 mg/L)
	LC50	Fathead Minnow	(Pimephales promelas)	59.8 mg/L	96 Hours	3 (>10, ≤100 mg/L)
Alkoxyated Carboxylate	LC50	Rainbow Trout	(Oncorhynchus mykiss)	45.4 mg/L	96 Hours	3 (>10, ≤100 mg/L)
Persistence And Degradability	This product is inherently biodegradable according to the OECD definition, There is no degradation of potassium hydroxide in waters, only loss by absorption or through chemical neutralization					
Bioaccumulative Potential	No data available					
Mobility In Soil	This material is a partially mobile liquid					
Other Adverse Effects	May be harmful to aquatic organisms due to pH shift					

SECTION – 13 DISPOSAL CONSIDERATIONS**DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER****Dispose of any waste in accordance with all State and Federal Guidelines and Regulations****ENVIRONMENTAL FATE**

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste

CONTAINER DISPOSAL - Triple rinse empty container then offer for recycling. If not available, puncture and dispose in a sanitary landfill

SECTION – 14 TRANSPORT INFORMATION**DOT CLASSIFICATION****UN Number****Proper Shipping Name n.o.s. (Chemicals) or "Limits"**

Not Regulated Non Hazardous – Compounds Cleaning Liquid

<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>
None	None	None	None	154	No		

Additional Info:**SECTION – 15 REGULATORY INFORMATION****TSCA**

<u>CHEMICAL NAME</u>	Sec 8(b) Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Alkoxylated Carboxylate	Yes			
Potassium Hydroxide	Yes	Yes		

<u>CHEMICAL NAME</u>	Extremely Hazardous	Reportable Quantity	Emission Reporting			
<u>CHEMICAL NAME</u>	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
Potassium Hydroxide			1000			

<u>CHEMICAL NAME</u>	Section 311	Section 311 / 312 Hazards				
<u>CHEMICAL NAME</u>	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
EDTA Tetrasodium Salt	Yes	Yes				
Alkoxylated Carboxylate	Yes	Yes				
Potassium Hydroxide	Yes	Yes	Yes			

<u>CHEMICAL NAME</u>	STATE												
<u>CHEMICAL NAME</u>	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
EDTA Tetrasodium Salt						Yes		Yes					
Alkoxylated Carboxylate						Yes		Yes			Yes		
Potassium Hydroxide	Yes		Yes			Yes	Yes	Yes		Yes	Yes		

<u>CHEMICAL NAME</u>	CAS #	WARNING! This product contains chemicals known to the state of California to cause:			
<u>CHEMICAL NAME</u>	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

<u>CHEMICAL NAME</u>	CAS #	Clean Air Acts			Clean Water Acts		
<u>CHEMICAL NAME</u>	CAS #	HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Alkoxylated Carboxylate	Unknown						1000 RQ

<u>CHEMICAL NAME</u>	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
None Listed						

<u>CHEMICAL NAME</u>	DSL	Class	Description
Potassium Hydroxide	Yes	D-1B	Materials Causing Immediate and Serious Toxic Effects; Toxic Material

<u>CHEMICAL NAME</u>	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
EDTA Tetrasodium Salt						Yes		Yes					
Alkoxylated Carboxylate						Yes		Yes			Yes		
Potassium Hydroxide	Yes		Yes			Yes	Yes	Yes		Yes	Yes		

<u>CHEMICAL NAME</u>	CAS #	WARNING! This product contains chemicals known to the state of California to cause:			
<u>CHEMICAL NAME</u>	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

<u>CHEMICAL NAME</u>	CAS #	Clean Air Acts			Clean Water Acts		
<u>CHEMICAL NAME</u>	CAS #	HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Alkoxylated Carboxylate	Unknown						1000 RQ

<u>CHEMICAL NAME</u>	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
None Listed						

<u>CHEMICAL NAME</u>	DSL	Class	Description
Potassium Hydroxide	Yes	D-1B	Materials Causing Immediate and Serious Toxic Effects; Toxic Material

<u>CHEMICAL NAME</u>	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
EDTA Tetrasodium Salt						Yes		Yes					
Alkoxylated Carboxylate						Yes		Yes			Yes		
Potassium Hydroxide	Yes		Yes			Yes	Yes	Yes		Yes	Yes		

<u>CHEMICAL NAME</u>	CAS #	WARNING! This product contains chemicals known to the state of California to cause:			
<u>CHEMICAL NAME</u>	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

<u>CHEMICAL NAME</u>	CAS #	Clean Air Acts			Clean Water Acts		
<u>CHEMICAL NAME</u>	CAS #	HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Alkoxylated Carboxylate	Unknown						1000 RQ

<u>CHEMICAL NAME</u>	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
None Listed						

<u>CHEMICAL NAME</u>	DSL	Class	Description
Potassium Hydroxide	Yes	D-1B	Materials Causing Immediate and Serious Toxic Effects; Toxic Material

<u>CHEMICAL NAME</u>	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
EDTA Tetrasodium Salt						Yes		Yes					
Alkoxylated Carboxylate						Yes		Yes			Yes		
Potassium Hydroxide	Yes		Yes			Yes	Yes	Yes		Yes	Yes		

<u>CHEMICAL NAME</u>	CAS #	WARNING! This product contains chemicals known to the state of California to cause:			
<u>CHEMICAL NAME</u>	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

<u>CHEMICAL NAME</u>	CAS #	Clean Air Acts			Clean Water Acts		
<u>CHEMICAL NAME</u>	CAS #	HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Alkoxylated Carboxylate	Unknown						1000 RQ

<u>CHEMICAL NAME</u>	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
None Listed						

<u>CHEMICAL NAME</u>	DSL	Class	Description
Potassium Hydroxide	Yes	D-1B	Materials Causing Immediate and Serious Toxic Effects; Toxic Material

<u>CHEMICAL NAME</u>	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
EDTA Tetrasodium Salt						Yes		Yes					
Alkoxylated Carboxylate						Yes		Yes			Yes		
Potassium Hydroxide	Yes		Yes			Yes	Yes	Yes		Yes	Yes		

<u>CHEMICAL NAME</u>	CAS #	WARNING! This product contains chemicals known to the state of California to cause:			
<u>CHEMICAL NAME</u>	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

<u>CHEMICAL NAME</u>	CAS #	Clean Air Acts			Clean Water Acts		
<u>CHEMICAL NAME</u>	CAS #	HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Alkoxylated Carboxylate	Unknown						1000 RQ

<u>CHEMICAL NAME</u>	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
None Listed						

<u>CHEMICAL NAME</u>	DSL	Class	Description
Potassium Hydroxide	Yes	D-1B	Materials Causing Immediate and Serious Toxic Effects; Toxic Material

SECTION – 16 OTHER INFORMATION**SDS LEGEND DESCRIPTION**

ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NFPA	National Fire Protection Association
EPA	Environmental Protection Agency	NIOSH	National Institute for Occupational Safety and Health
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NE	Not Established
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous air pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety Glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
KD	Kidney Damage (nephropathy)	UEL	Upper Explosive Limit

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Supersedes Safety Data Sheet Dated