HARBOR FREIGHT TOOLS

SAFETY DATA SHEET

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SDS Revision: 1.1 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 7/25/2015 1. PRODUCT & COMPANY IDENTIFICATION 1.1 Product Name: 3 IN 60 GRIT THIN METAL CUT-OFF WHEEL 5 PC 1.2 Chemical Name: Aluminum Oxide 1.3 P/N 93178 Synonyms 1.4 Trade Names: Warrior 1.5 Product Uses & Restrictions: Abrasive Wheel 1.6 Distributor's Name: Harbor Freight Tools USA, Inc. Distributor's Address: 1.7 26541 Agoura Road, Calabasas, CA 91302 USA Emergency Phone: CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 676687) 1.8 19 Business Phone / Fax: +1 (805) 388-1000 2. HAZARDS IDENTIFICATION Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE, but not as DANGEROUS GOODS 2.1 according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. MAY BE HARMFUL IF INHALED. Classification: Skin Sens. 1B; Acute Tox. Inh. 5 Hazard Statements (H): H317 - May cause an allergic skin reaction. H333 - May be harmful if inhaled. Precautionary Statements (P): P261 – Avoid breathing dust. P304 + P312 – IF INHALED: Call a POISON CENTER/doctor if you feel unwell. P280 - Wear protective gloves/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with soap and water. P333+P313 - If skin irritation occurs: Get medical advice/attention. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF) 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC OSHA ppm ppm ppm ES ES-ES-STEL CHEMICAL NAME(S) CAS No. RTECS No. EINECS No. % TLV STEI TWA STEL PEAK PEL IDLH OTHER 1344-28-1 BD1200000 215-691-6 60-100 (10) NA NF NF NF (10) NA NA ALUMINUM OXIDE Skin Sens. 1B; Acute Tox. Inh. 5; H317, H333 10-30 NA NA NF NF NF NA NA NA 9003-35-4 NA 500-005-2 PHENOLIC RESIN EW4150000 NA NA NF NF NF NA NA 1010-41-4 231-900-3 1-5 NA CALCIUM SULFATE DIHYDRATE 4. FIRST AID MEASURES Ingestion unlikely; however, if ingested, do not induce vomiting. Contact the nearest Poison Control Center 4.1 First Aid: Ingestion: or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes lifting Eyes: upper and lower lids, occasionally. Wash thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water for at <u>Skin</u>: least 15 minutes. Inhalation: Remove victim to fresh air at once. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Keep person warm, quiet and get medical attention. Effects of Exposure: 4.2 If product is swallowed, may cause gastrointestinal disturbance. Ingestion: Exposure to dust may cause eye irritation. Symptoms of overexposure may include redness, itching, Eyes: irritation and watering. Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, Inhalation: nose and respiratory tract.

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HFT-93178 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 7/25/2015 4. FIRST AID MEASURES – cont'd 43 Symptoms of Overexposure: If product is swallowed, may cause gastrointestinal disturbance. Ingestion: Exposure to dust may cause eye irritation. Symptoms of overexposure may include redness, itching, Eyes: irritation and watering. May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in Skin: some sensitive individuals. Inhalation: Coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract. 4.4 Acute Health Effects Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of dust can cause coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract. 4.5 Chronic Health Effects: Possible allergic dermatitis in some sensitive individuals. 4.6 Target Organs: Eyes, Skin, Lungs, Respiratory System. 4.7 Medical Conditions Pre-existing dermatitis, other skin conditions. HEALTH 1 Aggravated by Exposure: FLAMMABILITY 0 0 PHYSICAL HAZARDS **PROTECTIVE EQUIPMENT** В EYES SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: This material can burn but will not readily ignite. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO₂, Hydrocarbons). Burning or thermal decomposition can produce the following combustion or decomposition products: Phenol, Formaldehyde, Carbon Monoxide and/or carbon dioxide. Carbon Monoxide is highly toxic if inhaled Carbon dioxide in sufficient concentration can act as an asphyxiant. 5.2 Extinguishing Methods: CO₂, Dry Chemical, Foam. Use water spray to cool containers. 53 Firefighting Procedures: Keep containers cool until well after the fire is out. Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fireexposed surfaces and to protect personnel. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6. ACCIDENTAL RELEASE MEASURES Before cleaning any spill individuals involved in cleanup must wear appropriate Personal Protective Equipment. Plastic 6.1 Spills or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills. No special precautions are required for intact packaging containing this product. If product is crushed, use respiratory protection equipment. Do not use compressed air to clean up any residue. Use a wet method or vacuums equipped with High Efficiency Particulate (HEPA) filters to clean up any residues from this product. Waste must be placed in dust tight containers or sealed plastic bags for disposal. Label properly. Keep spills and cleaning runoffs out of drains, municipal sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Wash unintentional residues with soap and warm water. 7.2 Storage & Handling Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. 7.3 Special Precautions: Clean all dusts and particulates promptly as they present a slip and fall hazard. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Exposure Limits: ACGIH NOHSC OSHA OTHER 8.1 $ppm (ma/m^3)$ STE TLV STEL ES-TWA ES-STEL ES-PEAK PEL IDLH CHEMICAL NAME(S) ALUMINIUM OXIDE (10) NF NF (10) NA NF NA NA 8.2 Ventilation & Engineering General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general Controls exhaust ventilation to effectively remove and prevent buildup of dusts generated from the use of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). 8.3 Respiratory Protection: In instances where dusts are generated when using this product, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.

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8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd 8.4 Eye Protection: Avoid eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Image: Control of the exposure to thexposure to the exposure to the exposure to the exposur										
8.5 Hand Protection: Heavy-duty work gloves recommended under normal conditions of use to avoid abrasions and reduce risk of exposure to hands. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, or the EU member states. 8.6 Body Protection: No apron required under normal circumstances; however, it is recommended. Upon completion of work activities using this product), wash any exposed areas thoroughly with soap and water. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA. 9. PHYSICAL & CHEMICAL PROPERTIES		8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd								
8.6 Body Protection: No apron required under normal circumstances; however, it is recommended. Upon completion of work activities using this product), wash any exposed areas thoroughly with soap and water. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA. 8.6 Body Protection: No apron required under normal circumstances; however, it is recommended. Upon completion of work activities using this product), wash any exposed areas thoroughly with soap and water. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA. 9. PHYSICAL & CHEMICAL PROPERTIES	8.4	Eye Protection:	Avoid eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).							
work activities using this product), wash any exposed areas thoroughly with soap and water. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA. 9. PHYSICAL & CHEMICAL PROPERTIES	8.5	Hand Protection:	reduce risk of exposure to hands. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the							
	8.6	Body Protection:	work activities using this product), wash any exposed areas thoroughly with soap and water. If	F3						
9.1 Appearance: Dark brown to black solid article		9. PHYSICAL & CHEMICAL PROPERTIES								
	9.1	Appearance:	Dark brown to black solid article							

Appearance:	Dark brown to black solid article
Odor:	Odorless
Odor Threshold:	ΝΑ
pH:	NA
Melting Point/Freezing Point:	2100 °C (3812 °F) – Alumina
Initial Boiling Point/Boiling Range:	NA
Flashpoint:	ΝΑ
Upper/Lower Flammability Limits:	NA
Vapor Pressure:	ΝΑ
Vapor Density:	ΝΑ
Relative Density:	2.0
Solubility:	Insoluble
Partition Coefficient (log Pow):	ΝΑ
Autoignition Temperature:	ΝΑ
Decomposition Temperature:	NA
Viscosity:	NA
Other Information:	NA
	Odor: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log P _{ow}): Autoignition Temperature: Decomposition Temperature: Viscosity:

10. STABILITY & REACTIVITY

10.1	Stability:	Stable under normal conditions.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO ₂), metal oxides, particulates.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, high heat, incompatible substances and direct sunlight.
10.5	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers, strong acids and alkalis.

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	YES				
11.2	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product, but is not presented in this document.										
11.3	Acute Toxicity:	See Section 4.4	e Section 4.4								
11.4	Chronic Toxicity: See Section 4.5										
11.5	Suspected Carcinogen:	Suspected Carcinogen: Burning or thermal decomposition can produce Formaldehyde which is listed as <u>Formaldehyde</u> is listed as ACGIH Group A2 (Suspected human carcinogen); NIOSH (Occupational Carcinogen); NTP13 Group 2 (Reasonably Anticipated to be a Human Carcinogen); OSHA (Possible select carcinogen); CA65 (cancer).									
11.6	Reproductive Toxicity:	This product is not report	rted to produce rep	roductive toxicity in hu	umans.						
	Mutagenicity:	This product is not report	rted to produce mut	tagenic effects in hum	ians.						
	Embryotoxicity:	This product is not report	rted to produce em	bryotoxic effects in hu	mans.						
	Teratogenicity:	This product is not report	rted to cause terato	genic effects in huma	ns.						
	Reproductive Toxicity:	This product is not report	rted to cause repro	ductive effects in hum	ans.						
11.7	Irritancy of Product:	The product can cause	allergic skin reactio	ns (e.g., rashes, welts	s, dermatitis) upon	prolonged or repeate	ed exposure.				
11.8	Biological Exposure Indices:	NE					•				
11.9	Physician Recommendations:	Treat symptomatically.									

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riope		IOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 7/25/2015
		12. ECOLOGICAL INFORMATION
2.1	Environmental Stability:	There are no specific data available for this product.
2.2	Effects on Plants & Animals:	There are no specific data available for this product.
2.3	Effects on Aquatic Life:	There are no specific data available for this product.
		13. DISPOSAL CONSIDERATIONS
3.1	Waste Disposal:	Dispose of in accordance with federal, state, provincial and local regulations.
3.2	Special Considerations:	NA
		14. TRANSPORTATION INFORMATION
The	basic description (ID Nur	mber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additiona e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
4.1	49 CFR (GND):	NOT REGULATED
4.2	IATA (AIR):	NOT REGULATED
4.3	IMDG (OCN):	NOT REGULATED
4.4	TDGR (Canadian GND):	NOT REGULATED
4.5	ADR/RID (EU):	NOT REGULATED
4.6	SCT (MEXICO):	NOT REGULATED
4.7	ADGR (AUS):	NOT REGULATED
		15. REGULATORY INFORMATION
5.1	SARA Reporting	This product contains Aluminum Oxide, a substance subject to SARA Title III, Section 313 reporting requirements.
5.2	Requirements: SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities for the components of this product.
5.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory or are otherwise exempt.
5.4	CERCLA Reportable Quantity	
5.5	(RQ): Other Federal Requirements:	Formaldehyde (thermal decomposition product) is listed as Hazardous Air Pollutants (HAPs). Formaldehyde (thermal decomposition product) is listed as Toxic Pollutants under the Clean Water Act (CWA). None of the ingredients are listed as Priority Pollutants under the Clean Water Act (CWA). This product does not contain any Class 1 or Class 2 ozone depletors.
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects).
15.7	State Regulatory Information:	<u>Alumina (Aluminum Oxide)</u> is found on the following state criteria list: Massachusetts Hazardous Substances List (MA Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), and Washington Permissibl Exposures List (WA). <u>Formaldehyde</u> (thermal decomposition product) is found on the following state criteria lists: CA65, FL, MA, NJ, PA, W, and WI. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state
		criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substance List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardou Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvan Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). NOTE: This product contains a substance(s) known to the State of California to cause cancer, birth defects, or othe reproductive harm.
5.8	Other Requirements:	The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: Harmful (Xn). <u>Risk Phrases</u> (R): 20-38 – Harmful if inhaled. Irritating to skin. <u>Safety Phrases</u> (S): 2- 23-24-62 - Keep away from children. Do not breathe dust. Avoid contact with skin. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible.

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		16. OTHER IN	IFORMA	TION					
16.1 Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. MAY BE HARMFUL IF INHALED. Avoid breathing du IF INHALED: Call a POISON CENTER/doctor if you feel unwell. Wear protective gloves/eye protection/face protection IF ON SKIN – Wash with soap and water. If skin irritation occurs: Get medical advice/attention. KEEP OUT OF REAC OF CHILDREN. NOTE: This product contains a substance(s) known to the State of California to cause cancer, birth defects, or oth reproductive harm.									
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.							
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Oth government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Harbor Freig Tools USA, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; howev accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, a provided. The information contained herein relates only to the specific product(s). If this product(s) is combined we other materials, all component properties must be considered. Data may be changed from time to time. Be sure consult the latest edition.							
16.4	Prepared for:	Harbor Freight Tools USA, Inc. 26541 Agoura Road Calabasas, CA 91302 USA Tel: +1 (805) 388-1000 http://www.harborfreight.com							
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com							

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REACTIVITY

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 1.1

SDS Revision Date: 7/25/2015

FLAMMABILITY

DEFINITION OF TERMS

HAZARD RATINGS:

3

0 Minimal Hazard 1 Slight Hazard

2 Moderate Hazard

Severe Hazard 4 Extreme Hazard ACD Acidic ALK Alkaline

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No. Chemical Abstract Service Number

EXPOSURE	LIMITS IN AIR:				
ACGIH	American Conference on Governmental Industrial Hygienists				
C	Ceiling Limit				
ES	Exposure Standard (Australia)				
IDLH	Immediately Dangerous to Life and Health				
OSHA	U.S. Occupational Safety and Health Administration				
PEL	Permissible Exposure Limit				
STEL	Short-Term Exposure Limit				
TLV	Threshold Limit Value				
TWA	Time Weighted Average				
FIRST AID MEASURES					

CPR Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HMIS-	HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:							
0	Minimal Hazard		HEALTH					
1	Slight Hazard		FLAMMABILITY					
2	Moderate Hazard		PHYSICAL HAZARDS					
3	Severe Hazard		PERSONAL PROTECTION					
4	Extreme Hazard							

PERSONAL PROTECTION RATINGS:

ppm parts per million

Α	0					G		E		2	
В						Н		(I)		E E	8
С	0		E.			I	0	T		3	
D	B		E.			J		(I)			8
Е						Κ	5	E		Ŕ	
F			内 日 日			Х	Consult special I				
Sa	Safety Glasses Splash Gog			Goggles	F	Face Shield & Protective Eyewear			Gloves		
	Boots		Syntheti	ic Apron	F	Protective Clothing & Full Suit			Dust Respirator		
			8	3					Î		
Full I	Face Respir	rator		apor Half-			ull Face spirator			e Hoo r SCE	d/Mask 3A
отн	OTHER STANDARD ABBREVIATIONS:										
	ML	Maxim	um Limit								
	mg/m3	milligra	ams per cu	ibic meter							
	NA	Not Av	ailable								
	ND	Not De	etermined								
	NE	Not Es	tablished								
	NF	Not Fo	ound								
	NR	No Re	sults								

explode or ignite in the presence of an ignition source

ALK	Alkaline										
COR	Corrosive			н	HEALTH						
₩	-	Vater		n		× «	ECIAL				
ох	Oxidizer						ECAUTIONS				
TREFOIL											
TOXICOLO	OGICAL IN	FORMAT	ION:								
	LD5	Lethal I s	Dose (solids &	liquids) wh	iich kills 50%	of the expos	sed animals				
	LC ₅	Lethal o	concentration	(gases) whi	ch kills 50% o	of the expose	ed animal				
	ppn	n Concer	ntration expres	sed in parts	of material p	per million pa	arts				
	TD	Lowest	dose to cause	e a sympton	า						
	TCL		concentration								
	.D _{io} , & LD _o o ,, LC _{io} , & LC		Lowest dose (or concentration) to cause lethal or toxic effects								
	IARO	C Internat	International Agency for Research on Cancer								
	NTI	P Nationa	al Toxicology F	Program							
	RTEC	S Registr	y of Toxic Effe	cts of Chen	nical Substan	ices					
	BCI		centration Fac								
	TL,		threshold limi								
	_{ow} or log K _o		ient of Oil/Wat	er Distributi	on						
REGULAT											
WHMIS			Hazardous M	aterial Infor	mation Syste	em					
DOT			ransportation								
TC			: .								
EPA			Protection Age								
DSL NOHSC			Substance List		minoion (Aug	tralia)					
NDSL	-		al Health and Section Substance		mission (Aus	tralla)					
PSL			bstances List	ELISI							
TSCA			e Control Act								
EU			ropean Union	Directive 67	/548/EEC)						
WGK			dassen (Germ								
HMIS-III	-		tings Associat			dentification	n System				
WORKPL			MATERIALS								
\bigcirc	۲	٨		1	۲		Ŕ				
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F				
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive				
EC (67/548	B/EEC) INF	ORMATIO	ON:		1	1	r				
I*I ∎	🔁 🎬 🚸 🕸		0	X	×	×					
с	C E F N		0	т	Xi	Xn					
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful				
CLP/GHS	(1272/2008	B/EC) PIC	TOGRAMS:								
CLP/GHS	(1272/2008										

GHS06

Toxic

GHS07

Harmful

Irritating

GHS09

Environmer

GHS08

Health

Hazard

SCBA	Self-Contained Breathing Apparatus]	\sim	$\mathbf{\nabla}$	$\mathbf{\nabla}$	\sim	
NATIONAL FI	RE PROTECTION ASSOCIATION: NFPA						
FLAMMABILI	TY LIMITS IN AIR:]	GHS01	GHS02	GHS03	GHS04	GHS05
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition		Explosive	Flammable	Oxidizer	Pressurized	Corrosive
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source						
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will						