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

SDS Revision: 3.1

SDS Revision Date: 8/3/2023

1.1		1.	PRODUC	T & COM	PANT	IDENII	FICATION	JN				
	Product Name:	DEOXIT® BRAND TIP TINNER & CLEANER, (P/N TPC-14), 14.2 g										
.2	Chemical Name:	NA										
.3	Synonyms:	DeoxIT® Brand Tip Tinner, PN TPC-14										
4	Trade Names:	DeoxIT® Brand Tip Tinner, PN TPC-14										
5	Product Uses & Restrictions:	Cleaning Co	mpound for Solo	dering Iron Tips	6							
6	Distributor's Name:	CAIG Labora										
.7	Distributor's Address:		her Court, Powa	*								
8	Emergency Phone:	CHEMTRI	EC: +1 (703)	527-3887 /	+1 (800) 424-930	0 (CCN2	05206)			
9	Business Phone / Fax:	+1 (800) 224	-4123									
	T.,	1		ZARDS				5				
.1	Hazard Identification:		t is classified a criteria of NOH					S DANG	EROU	IS GC	ODS ac	ccording to the
			CAUSES EYE					IN REA	CTION	I.		
		Classification	n: Eye Irrit 2; Sk	in Irrit. 1B								
2	Label Elements:	Hazard State	ements (H): H22	0 – Causes ey	e irritatioi	n. H317 – M	ay cause ar	allergio	skin r	eactio	١.	
		Precautionar	y Statements (P): P261 – A	void bre	athing dust.	P264 - 1	Nash th	oroug	hly aft	er	<u> </u>
		handling. P2	280 – Wear prot – If skin irritation	ective gloves.	P302+P	352 – IF ON	SKIN: Was	sh with p	plenty	of wate	er.	
			– II SKIII IITILAIIOI nse cautiously v									
			Continue rinsin									\
			taminated clothi									
		medical advi	ce/attention. Pt									•
	011 111 1	disposal faci										
.3	Other Warnings:	KEEP OUT	OF REACH OF	CHILDREN								
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						ACGIH	NOH			OSHA	g/ /	
						ppm	ppı	ppm		ppm		
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мм	ONIUM PHOSPHATE	7783-28-0	TB9375000	231-987-8	30-60	NA NA	NF N	NF	NA	NA	NA	
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			4	FIRST AI	D ME	ASURES	`					
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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 8/3/2023 4. FIRST AID MEASURES - cont'd 4.5 Chronic Health Effects: Non-irritating when used as directed. Overexposure may trigger asthma-like symptoms in some sensitive individuals. May also induce skin sensitization and respiratory hypersensitivity. Possible allergic dermatitis 4.6 Target Organs: Eyes, Skin. Medical Conditions 4.7 Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** Aggravated by Exposure: target organs (eyes, skin, and respiratory system). FLAMMABILITY 0 PHYSICAL HAZARDS 0 PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES Fire & Explosion Hazards: This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO,CO_x). 5.2 Extinguishing Methods: Water, Foam, CO2, Dry Chemical, Halon (if permitted). Use water spray to cool unopened containers. 5.3 Firefighting Procedures: 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 fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-over. 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 Spills Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills. Small Spills: Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible material such as vermiculite or sand to soak up the product and place into a container for later disposal. Do not use water or a material such as "speedy dry" to soak up material. Sweep up material using non-sparking materials (e.g., plastic brooms, shovels, dustpans) and place into a plastic container or plastic liner within another container. Large Spills: Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Contents under pressure. Handle as to avoid puncturing container(s). When used as intended, no additional protective equipment is necessary. Use chemical goggles if eve contact is possible. Wash unintentional residues with soap and warm water. 72 Storage & Handling: Store at temperatures between 59 °F and 95 °F (15 °C and 35 °C) in a dry, well-ventilated location. Keep away from heat, sparks, open flame, and other sources of ignition. Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Normal shelf-life: 2-3 years. 7.3 Special Precautions: Clean all spills promptly. Spilled material may present a slipping hazard. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION 8.1 **Exposure Limits:** ACGIH NOHSC **OSHA** OTHER ppm (mg/m³) TLV CHEMICAL NAME(S) STEL **ES-TWA** ES-STEL **ES-PEAK** STEL **IDLH** NA (2) NF NA (2) 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 vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station) 8.3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. In instances where dusts of this product are generated, 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 Eye Protection: 8.4 Avoid eye contact. Wear splash proof goggles or equivalent eye protection (ANSI Z87). Safety glasses need to be used when handling or using this product. 8.5 Hand Protection: Impermeable gloves required. May cause skin irritation in some sensitive individuals. When handling wear rubber, nitrile or impervious plastic gloves. 8.6 Body Protection: No apron required when handling small quantities. When handling large quantities (e.g., ≥ 5 lbs), eye wash stations and deluge showers should be available. Upon completion of work activities

involving large quantities of this product, wash any exposed areas thoroughly with soap and water.



13.2

Special Considerations:

SAFETY DATA SHEET

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 8/3/2023 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Appearance: Silver paste 92 Odor Low odor when heated 9.3 Odor Threshold: NA 9.4 NA 9.5 Melting Point/Freezing Point: >232 °C (500°F) 9.6 Initial Boiling Point/Boiling >260 °C (500 °F) 9.7 Flashpoint: Upper/Lower Flammability 9.8 NA 9.9 Vapor Pressure: NA 9.10 Vapor Density: NA Relative Density: 9.11 NA Solubility: 9.12 Tin insoluble, ammonium phosphate water soluble 9.13 Partition Coefficient (log Pow): NA 9.14 Autoignition Temperature NA 9.15 Decomposition Temperature: NA 9.16 NA 9.17 Other Information: NA 10. STABILITY & REACTIVITY 10.1 Stability: Stable under normal conditions; unstable with heat or contamination. 10.2 Hazardous Decomposition Oxides of carbon (CO, CO₂). Products Hazardous Polymerization: 10.3 Will not occur. Open flames, sparks, high heat, incompatible substances and direct sunlight. 10.4 Conditions to Avoid 10.5 Incompatible Substances Avoid extreme heat and ignition sources. Store away from oxidizers. 11. TOXICOLOGICAL INFORMATION Ingestion: YES 11.1 Routes of Entry: Inhalation: YES Absorption: 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 and is not presented in this document. 11.3 Acute Toxicity: Moderate irritation to eyes and skin near affected areas 11.4 Chronic Toxicity: This material may aggravate any pre-existing skin condition (e.g., dermatitis). 11.5 Suspected Carcinogen: This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov 11.6 Reproductive Toxicity: This product is not reported to produce reproductive toxicity in humans. Mutagenicity: This product is not reported to produce mutagenic effects in humans Embryotoxicity This product is not reported to produce embryotoxic effects in humans Teratogenicity: This product is not reported to cause teratogenic effects in humans. Reproductive Toxicity: This product is not reported to cause reproductive effects in humans. 117 Irritancy of Product: The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. 118 Biological Exposure Indices: NF 11.9 Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability: There is no specific data available for this product. 12.2 Effects on Plants & Animals: There are no specific data available for this product. 12.3 Effects on Aquatic Life: There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life. 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of in accordance with federal, state and local regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with

all relevant local, state, federal and provincial regulations.



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

SDS Revision: 3.1

SDS Revision Date: 8/3/2023

	14. TRANSPORTATION INFORMATION						
The	basic description (ID Nun	nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional					
14.1	descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. 4.1 49 CFR (GND): NOT REGULATED						
14.2	IATA (AIR):	NOT REGULATED					
14.3	IMDG (OCN):	NOT REGULATED					
14.4	TDGR (Canadian GND):	NOT REGULATED					
14.5	ADR/RID (EU):	NOT REGULATED					
14.6	SCT (MEXICO):	NOT REGULATED					
14.7	ADGR (AUS):	NOT REGULATED					
		15. REGULATORY INFORMATION					
15.1	SARA Reporting Requirements:	This product does not contain a substance subject to SARA Title III, section 313 reporting requirements.					
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities for the components of this product.					
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.					
15.4	CERCLA Reportable Quantity (RQ):	NA NA					
15.5	Other Federal Requirements:	NA .					
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the Controlled Products Regulations (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.					
15.7	State Regulatory Information:	Tin is found on the following state criteria list: Massachusetts Hazardous Substances List (MA), New Jersey Right-to-Know List (NJ) and Pennsylvania Right-to-Know List (PA). 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 Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).					
15.8	Other Requirements:	This product does not contain any chemicals known to the State of California to cause cancer or othe reproductive harm. For more information go to www.P65Warnings.ca.gov .					
		16. OTHER INFORMATION					
16.1	Other Information:	WARNING! CAUSES EYE IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. Use only as directed.					
		Keep out of reach of children. Avoid contact with skin. Avoid contact with eyes. Wear suitable protective clothing. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). If skin irritation occurs: get medical advice/attention. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.					
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.					
16.3	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & CAIG Laboratories, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.						
16.4	Prepared for:	CAIG Laboratories, Inc. 12200 Thatcher Court Poway, CA 92064-6876 Tel: +1 (800) CAIG-123 (244-4123) Fax: +1 (858) 486-8398 fax http://www.caig.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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DEFINITION OF TERMS

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
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH American Conference on Governmental Industrial Hygienists		
IDLH Immediately Dangerous to Life and Health		
NOHSC	National Occupational Health and Safety Commission (Australia)	
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.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

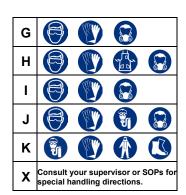
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	
1	Slight Hazard	
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	



PERSONAL PROTECTION RATINGS:

Α			
В			
С		H.	
D	(Ell)	H.	
Е			
F		H.	





OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic		
Irrit	Irritant		
NA	Not Available		
NR	No Results		
ND	Not Determined		
NE	Not Established		
NF	Not Found		
SCBA	Self-Contained Breathing Apparatus		
Sens	Sensitization		
STOT RE	Specific Target Organ Toxicity – Repeat Exposure		
STOT SE Specific Target Organ Toxicity – Single Exposure			

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	FLAMMABILITY LIMITS IN AIR:				
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition				
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 explode or ignite in the presence of an ignition source				

HAZARD RATINGS:

0	Minimal Hazard	FLAMMABILITY
1	Slight Hazard	\
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	── / ▼ ₩ У
W	Use No Water	HEALTH 🔪
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

TOXICOLOGICAL INFORMATION:

Lethal Dose (solids & liquids) which kills 50% of the exposed animals
Lethal concentration (gases) which kills 50% of the exposed animal
Concentration expressed in parts of material per million parts
Lowest dose to cause a symptom
Lowest concentration to cause a symptom
Lowest dose (or concentration) to cause lethal or toxic effects
International Agency for Research on Cancer
National Toxicology Program
Registry of Toxic Effects of Chemical Substances
Bioconcentration Factor
Median threshold limit
Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System		
DOT	U.S. Department of Transportation		
TC	Transport Canada		
EPA	U.S. Environmental Protection Agency		
DSL	Canadian Domestic Substance List		
NDSL	Canadian Non-Domestic Substance List		
PSL	Canadian Priority Substances List		
TSCA U.S. Toxic Substance Control Act			
EU	European Union (European Union Directive 67/548/EEC)		
WGK	Wassergefährdungsklassen (German Water Hazard Class)		

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	(A)	(2)	(3)	\odot	(49)		
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

CLP/GHS (1272/2008/EC) PICTOGRAMS:

			\Diamond			\Leftrightarrow		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment