Material Safety Data Sheet				
Zep Inc. 1310 Seaboard Industrial Blvd.				
GP)	Atlanta, GA 30318	Product name	ZEP 2000	
	1-877-I-BUY-ZEP (428-9937) www.zep.com	Product use	Aerosol Penet	rating Grease
Superior Solutions		Product code	4164	
		Date of issue	07/18/08	Supersedes 12/30/04
		Emergency Telepho	ne Numbers	
		For MSDS Informat Compliance Services		9 (428-9937)
		For Medical Emerge INFOTRAC: (877) 5 Recorded		- All Calls
		For Transportation CHEMTREC: (800) In the District of Colu	424-9300 - All Cal	
Printing	date: 07/18/08	Prepared By Compliance Servic 1420 Seaboard Ind Atlanta, GA 3031	ustrial Blvd.	
Section 2	lazards Identification			
Emergency		*Hazard Determination Sy	stem (HDS): Health, Flamm	nability, Reactivity
DANGER			1 4	0
CAUSE FLAS smoking. CA	Y FLAMMABLE LIQUID AND V SH FIRE. Keep away from sou USES EYE AND SKIN IRRITA VALLOWED. HARMFUL IF INI	rces of ignition - No TION. HARMFUL OR		
	UNDER PRESSURE.			
NOTE: MSDS of				f adverse effects are lessened by following all
Acute Effects		Dermal contact. Inhala		
Eyes		on of the eye is characteriz	zed by redness, wat	ering and itching.
Skin	Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching. Direct contact may cause irritation and redness. Product may be dermal absorbed. Skin inflammation is characterized by itching, scaling, or reddening. Defatting properties, may aggravate an existing dermatitis.			
Inhalation	Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.			
Ingestion	•			
Chronic effe	inhalation or absorption nausea and/or dizziness	contact may dry skin and contact may dry skin and contain produce central nervo contains material which ain, central nervous system	ous system depressi may cause damage	
Carcinogenic	ty Ingredients: Not listed as carc	•	IARC.	11)
	Additional Information on Ir	-	iormation (Section	

control composition, montation on mgroutones		
Name of Hazardous Ingredients	CAS number	<u>% by Weight</u>
HEPTANE; n-heptane	142-82-5	20 - 30
BLEND OF ISOBUTANE & PROPANE	74-98-6; 75-28-5	20 - 30
HYDROTREATED LIGHT PETROLEUM DISTILLATES; paraffinic,	naphthenic solvent 64742-47-8	1 - 10

Product code	4164	Material Safety Data Sheet	Product Name ZEP 2000
Section 4. Fil	rst Aid Measures		
Eye Contact			ng the upper and lower eyelids. Check for and nutes. Get medical attention immediately.
Skin Contact	Wash affected area with soap or medical attention if irritation de		nove contaminated clothing and shoes. Get
Inhalation	Move exposed person to fresh a oxygen. Get medical attention.	ir. If not breathing, give artific	ial respiration. If breathing is difficult, give
Ingestion		low so that vomit does not ente	cted to do so by medical personnel. If vomiting or the lungs. Never give anything by mouth to an
Section 5. Fil	re Fighting Measures	National Fire Protect	ction Association (U.S.A.)
Flash Point	Closed cup: <-18°C (<0°F) (Tagliabue.)		
Flammable Li	mits Not available.		~
Flammability	Extremely flammable. (CSM flash back.	(IA) Aerosol that may	
Fire hazard	in low or confined areas or t In a fire or if heated, a press	ravel a considerable distance to ure increase will occur and the	e flash fire. Vapors may accumulate o a source of ignition and flash back. container may burst, with the risk of e propelled from a fire at high speed.
Fire-Fighting Procedures			e. Fire-fighters should wear positive Ill turnout gear. Cool closed containers
Section 6. Ad	cidental Release Measures		
Spill Clean u	p Large spills are unlikely due to	packaging.	
Section 7. Ha	andling and Storage		
-	equipment (see section 8). Avoid of	contact with eyes, skin and clot	ition source. Put on appropriate personal protective hing. Do not breathe vapor or mist. Use only with ing. Wash contaminated clothing before reusing.
Storage	(120.2°F). Store away from direc	t sunlight in a dry, cool and we	e. Do not store above the following temperature: 49°C ill-ventilated area, away from incompatible materials s. Keep out of the reach of children.
Section 8. Ex	posure Controls/Personal Pro	tection	
Product nam	<u>e</u>	Exposure limits	
HEPTANE; n-hept	ane	ACGIH/OSHA (United States TWA: 400 ppm 8 hour(s). ACGIH/OSHA (United States) STEL: 400 ppm 15 minute(s).	
BLEND OF ISOBUTANE & PROPANE AC		ACGIH TLV (United States). TWA: 800 ppm 8 hour(s). OSHA PEL (United States). TWA: 1000 ppm 8 hour(s).	
HYDROTREATEI paraffinic, naphther	D LIGHT PETROLEUM DISTILLATES; nic solvent	Supplier Suggested (United Sta TWA: 100 ppm 8 hour(s).	ites).
	tective Equipment (PPE)		
Eyes	Safety glasses.	•	
Body	Wear appropriate protective cloth Recommended: Viton gloves. Nit	rile gloves. Neoprene gloves.	
Respiratory	Use with adequate ventilation. Procontrols to keep the airborne concoccupational exposure limits. We inadequate.	centrations of vapors below the	ir respective

		Material Safety Data	Sheet	Product Name ZEP	2000
Section 9. Physica	al and Chemical F	Properties			
pHIBoiling PointISpecific GravityISolubilityI	Liquid. [Aerosol.] Not applicable Not determined. 0.75 Insoluble in the follo hot water.	owing materials: cold water a	Vaj nd Evapo	Odor Solver or Pressure Not de oor Density >1 [Ai ration Rate >1 (Bu	etermined. $ir = 1$]
Section 10. Stabil	ity and Reactivity	,			
Stability and React Incompatibility Hazardous Polyme Hazardous Decom	Avoid of a construction will not	oduct is stable. contact with strong oxidizers, ot occur. s carbon oxides (CO, CO ₂)		at, sparks or open fla	ime.
Section 11. Toxico	ological Informati	ion			
Acute Toxicity Product/ingredien Heptane	it name	LD50 Oral LC50 Inhalation Gas.	Species Mouse Mouse	Dose 15000 mg/kg 18295 ppm	Exposure - 2 hours
Hydrotreated Light Petrol Section 12. Ecolog		LD50 Dermal LD50 Oral	Rabbit Rat	>2000 mg/kg >5000 mg/kg	-
	gical Information		Rat		-
Section 12. Ecolog Environmental Effe Aquatic Ecotoxicit	gical Information ects No kno Y	LD50 Oral	Rat		-
Section 12. Ecolog Environmental Effe Aquatic Ecotoxicit Not available. Section 13. Dispon Waste Information Waste must be disposs regional authorities fo Waste Stream Coo Cla	gical Information ects No kno ⊻ sal Consideration ed of in accordance or additional informa	LD50 Oral own significant effects or criti	Rat	>5000 mg/kg	- - Consult your local or
Section 12. Ecolog Environmental Effe Aquatic Ecotoxicit Not available. Section 13. Dispon Waste Information Waste must be disposs regional authorities fo Waste Stream Coo Cla	gical Information ects No kno Y sal Consideration ed of in accordance or additional informa de: D001 issification: - [Hazard gin: - [RCRA wasted	LD50 Oral own significant effects or criti	Rat	>5000 mg/kg	- - Consult your local or
Section 12. Ecolog Environmental Effe Aquatic Ecotoxicit Not available. Section 13. Dispon Waste Information Waste must be dispose regional authorities fo Waste Stream Coo Cla Ori	gical Information ects No kno Y sal Consideration ed of in accordance or additional informa de: D001 issification: - [Hazard gin: - [RCRA wasted port Information	LD50 Oral own significant effects or criti ns with federal, state and local e tion. dous waste] .]	Rat	>5000 mg/kg	- - Consult your local or
Section 12. Ecolog Environmental Effe Aquatic Ecotoxicit Not available. Section 13. Dispon Waste Information Waste must be dispose regional authorities fo Waste Stream Coor Cla Ori Section 14. Transp	gical Information ects No kno Y sal Consideration ed of in accordance or additional informa de: D001 issification: - [Hazard gin: - [RCRA wasted port Information	LD50 Oral own significant effects or critical DS DS with federal, state and local effects tion. dous waste] .] Proper shipping name	Rat	>5000 mg/kg	- - Consult your local or

the Bill of Lading with your shipment.

PG* : Packing group

Section 15. Regulatory Information

U.S. Federal Regulations

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

Product code 4164	Material Safety Data Sheet	Product Name ZEP 2000
California Prop 65	WARNING: This product contains a chemical or ch of California to cause cancer, birth defects or other r Toluene	

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.