



SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: **DURAKUT 9000B**

Supplier: Falcon Industrial, Inc.
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Milwaukee, WI 53212

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In case of Emergency: DOMESTIC NORTH AMERICA
800-424-9300
INTERNATIONAL
703-527-3887 (collect calls accepted)

Product Description: DURAKUT 9000B is a premium copolymer based mist lubricant metalworking fluid. See product data sheet for a detailed description of recommended use.

2. HAZARDS IDENTIFICATION

GHS Classification	Not classifiable as hazardous.
GHS Label	
Hazard pictogram	Not applicable
Signal word	Not applicable
Hazard Statement	Not applicable
Other Information	This product is not classified as hazardous under OSHA Hazard Communication Standards (29 CFR 1910.1200).
Precautionary statements	
Prevention	Not applicable
Response	Not applicable
Storage	Not applicable
Disposal	Not applicable
Hazards Not Otherwise Classified (HNOC)	May be irritating to skin in individuals whom have sensitive skin or wounds. Use with adequate ventilation, do not breath vapor or mist. Do not ingest. Avoid contact with eyes. Wash thoroughly after handling.

3. COMPOSITION/INFORMATION ON INGREDIENTS



Substance / Mixture: DURAKUT 9000B is a copolymer based, water insoluble, mist lubricant used in metalworking.

Components/Ingredients	CAS No.	% Range*
Polybutene Copolymer	Proprietary*	90 - 100
Colorant / Fragrance	Proprietary*	<0.01

*Specific percentages of composition are being withheld as a trade secret.

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4. FIRST AID MEASURES

Eye	Irrigate with flowing water immediately and continuously for a minimum of 15 minutes. Get medical assistance immediately if irritation occurs.
Skin	Thoroughly rinse contact areas with waterless hand cleaner. Sensitive individuals may require gloves. If clothing or shoes are contaminated; remove immediately and wash before using again.
Ingestion	DO NOT induce vomiting. May cause gastrointestinal irritation. Drink plenty of water to dilute. Seek medical attention immediately. Never give anything by mouth to an unconscious person. If a person vomits when lying on their back, immediately place them in the recovery position to prevent aspiration of vomit.
Inhalation	If inhaled, move to fresh air. The exposed person may need to be kept under medical attention. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be required. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Seek medical attention. Most important symptoms/effects, acute and delayed See Section 11 for more detailed information on health effects and symptoms. Description of necessary first aid measures / specific treatments No specific treatment.
Notes to Physician	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Treatment should in general be symptomatic and directed to relieving any effects.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Water fog, alcohol-resistant foam, dry chemical, and carbon dioxide are appropriate extinguishing media. Avoid using water jet to extinguish flames.
Hazardous Combustion Products	Combustion products may include the following: Oxides of carbon (CO, CO ₂) (carbon monoxide, carbon dioxide).
Special Fire Fighting Instructions	Keep people away and evacuate the area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self – contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.
Unusual Fire or Explosion Hazards	In a fire, rapid depolymerization can occur and produce flammable vapors. May depolymerize at temperatures above 200°C and generate extremely flammable butene monomers. Storage temperatures should be kept below 250°F.
Auto Ignition Temperature	Not determined
Explosion Limits	LEL: No data UEL: No data

6. ACCIDENTIAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures	Spilled material may make surfaces slippery. Wear suitable protective gear, such as: chemically protective gloves, eye protection, chemically protective boots, and chemically protective clothing.
Environmental Precautions	Dike spilled material to prevent spreading and any releases of this material to the environment. DO NOT allow material to enter waterways or water systems. In the case of a spill or accidental release, notify proper authorities in accordance to regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway. The National Response Center can be contacted at (800)424-8802.
Methods and Materials for Containment and Cleaning Up	Dike spilled material and soak up with inert absorbent material, such as: mops, sand, oil-dri, or fiber media. Dispose of material in accordance with all Federal, State and Local regulations. Do not touch or walk through spilt material. Avoid breathing vapor or mist. Provide adequate ventilation.

7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation. Keep out of reach of children or individuals not educated and familiar with the potential hazards of this material. Avoid contact with eyes. Do not ingest. Avoid prolonged or repeated contact with skin. Do not mix or contaminate with other chemicals. Do not eat, drink or smoke while using this product. Wear appropriate PPE, avoid breathing vapor or mist. Empty containers retain product residue and can be hazardous. Keep in the original container or an alternative made from a compatible material; keep closed when not in use. Do not reuse original container. Empty containers should not be cut, ground, drilled into, or welded on. Avoid high heat, flames, sparks, ignition sources, or UV light. Dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical, ventilating, lighting, and other material handling equipment.
Storage	Store in a closed, properly labeled container, in accordance with all regulations. Store in the original container, away from direct sunlight, and incompatible materials. Store at temperatures below 100°F. Keep container tightly sealed when not in use. If material is stored for prolonged periods of time above 60°C, keep under a nitrogen blanketed in an oxygen free vessel.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Showers, eyewash stations, and ventilation systems are appropriate.
Environmental Controls	Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.
<u>Metalworking Fluids</u>	<p>OSHA TWA: 5 mg/m³ – 8 hour (mineral oil mist) TWA: 15 mg/m³ – 8 hour (Particulates Not Otherwise Classified - PNOC) Recommended PEL: 0.5 mg/m³ – 8 hour (total particulate)</p> <p>NIOSH REL-TWA: 0.5 mg/m³ – 10 hour (total particulate mass – aerosol)</p> <p>ACGIH TLV TWA: 5 mg/m³ – 8 hour (mineral oils) STEL: 10 mg/m³ – 15 minutes (mineral oils)</p>



Exposure Limit Values	No components listed with TWA or STEL values under OSHA or ACGIH.
Personal Protective Equipment	Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.
Eye / Face Protection	If contact from spray or splashing, safety glasses with side-shields are recommended.
Skin Protection	No skin protection is ordinarily required under normal conditions of use. Use of protective gloves is a good practice. Use of chemically resistant gloves is recommended when used for prolonged periods or by individuals whom are dermally sensitive. When the risk of skin exposure is high, chemical resistant aprons and/or impervious chemical suits and boots may be required. PPE for the body should be selected based on the potential for contact with the product and the potential risks involved if contact may occur.
Respiratory Protection	The choice of respiratory protections is dependent upon the environment the product is being used and the environment of the product is used in. Safety procedures should be developed for all intended conditions of handling and use of this product.
Special Instructions for Protection and Hygiene	Provide readily accessible eye wash stations and safety showers. Wash hands at the end of each work shift and before eating, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue, Translucent, Liquid
Odor	Mild Odor
Odor Threshold	Not Determined
pH	Not Applicable
Melting Point / Freezing Point	<32°F (0°C)
Initial Boiling Point and Boiling Range	Not Determined
Flash Point	>212°F (100°C)
Evaporation Rate (Butyl Acetate @ 25°C = 1)	Not Determined
Flammability (solid, gas)	Not Applicable
Upper Explosive Limit / Lower Explosive Limit	Not Applicable
Vapor Pressure (Water @ 20°C = 17.5 mmHg)	Not Determined
Vapor Density	Not Determined
Specific Gravity (20°C)	0.800 – 0.900



Solubility	Not Soluble
Partition Coefficient (n-octanol / water)	Not Determined
Auto-ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Viscosity (Water @ 20°C = 1 cSt)	~28 cSt @ 20°C

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended handling and storage conditions.
Conditions to Avoid	Avoid high heat (>60°C), flames, ignition sources, UV light, and incompatible materials.
Incompatible Materials	Oxidizers, acids
Hazardous decomposition materials	Carbon dioxide, carbon monoxide, and other unknown incomplete products of combustion.
Reactivity	Not expected under recommended handling and storage environments.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

Inhalation	Overexposure may cause headaches.
Skin Contact	Repeated and prolonged contact may cause defatting and irritation of the skin.
Eye Contact	May cause irritation.
Ingestion	May cause gastrointestinal irritation.

Potential Acute Health Effects

Eye Contact	No significant effects or critical hazards.
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin Contact	Defatting to the skin; may cause skin dryness and irritation.
Ingestion	Not expected; may cause gastrointestinal irritation.

Species	Result	Dose	Exposure
Rat	LC50 Inhalation	>4820 mg/m ³	4 hours
Rat	LD50 Dermal	>10,250 mg/kg	
Rat	LD50 Oral	>34,600 mg/kg	

Symptoms related to; physical, chemical and toxicological characteristics

Eye Contact	Irritation, dryness, stinging, tearing
Inhalation	Not determined
Skin Contact	Skin irritation, dryness, redness, cracking
Ingestion	Not determined

Delayed / Chronic Health Effects

Eye Contact	Stinging, itching, and irritation.
Skin Contact	Prolonged or repeated contact can cause skin defatting, leading to; dermatitis, cracking, and irritation.
Ingestion	While not likely, ingestion may cause nausea and diarrhea.

Potential Chronic Health Effects

Carcinogenicity	Not known
Mutagenicity	Not known
Teratogenicity	Not known
Developmental	Not known
Fertility	Not known

Skin Corrosion / Irritation	Not classified as a Skin Corrosion Hazard or Skin Irritation Hazard.
Eye Damage / Irritation	Not classified as an Eye Damage Hazard or Eye irritation Hazard.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive Toxicity	Not classified.
Specific Target Organ	Not classified.
Toxicity – Single Exposure	
Specific Target Organ	Not classified.
Toxicity – Repeated	
Exposure	
Aspiration Toxicity	Not classified.

The hazard classifications of this substance / mixture were made congruent to the Occupational Safety and Health Standards, established in OSHA Regulation Standards 29 CFR 1910.1200.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Do not release into waterways, water systems, or land. Not determined to be classified under 1910.1200, with an aquatic toxicity profile classification.

Species	Result	Exposure
Daphnia	EC50 >1000 mg/l	48 hours
Fish	LC50 >1000 mg/l	96 hours

Terrestrial Toxicity Not determined.
 Persistence and Degradability Biodegradable per information of mixtures components.
 Bioaccumulative Potential Not determined.



Mobility in Soil	Not determined.
Other Adverse Ecological Effects	Complete ecological effects are not known. Do not release into waterways, water systems, or environment.

13. DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with all current applicable federal, state, and local laws and regulations, and material characteristics at time of disposal. Empty containers may contain residue and can be dangerous.

Do not attempt to refill or clean containers without proper instructions. Empty containers should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste, nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, toxicity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

UN Number	Not Applicable
UN Proper Shipping Name	Not Applicable
Transport Hazard Class	Not Applicable
Packing Group	Not Applicable
Environmental Hazards	Marine Pollutant – NO
Transportation in Bulk (Annex II of MARPOL 73/78 and IBC Code)	Contact Falcon Industrial, Inc. for bulk shipping.
Special Precautions	Spilled material may be a slip hazard.
U.S. DOT / Canadian TDG	Not Regulated for shipping
IMO / IDMG	Not Classified as Hazardous
ICAO / IATA	Not Classified as Hazardous
ADR / RID	Not Classified as Hazardous
NMFC Number	
Freight Class	55

15. REGULATORY INFORMATION



OSHA HAZARD COMMUNICATION STANDARD: The hazard classifications of this substance / mixture were made congruent to the Occupational Safety and Health Standards, established in OSHA Regulation Standards 29 CFR 1910.1200.

Complies with the following national/regional chemical inventory requirements: TSCA, DSL, AICS, ENCS, IECSC, KECI, PICCS

EPCRA SECTION 302: This material contains no extremely hazardous substances.

EPA SARA Title III Section 311/312 (40 CFR 370) Hazard Classification: Not Applicable

EPA SARA Title III Section 313 (40 CFR 372): Not Applicable

CLEAN AIR ACT (CAA): Not Applicable

CLEAN WATER ACT (CWA): Not Applicable

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other harm.

16. ADDITIONAL INFORMATION

Revision Date: May 8th, 2015

Revision #: DML-2

Prepared or Revised By: Falcon Industrial, Inc.

This SDS prepared for this substance / mixture was made congruent to the Occupational Safety and Health Standards, established in OSHA Regulation Standards 29 CFR 1910.1200.

HMIS: Health = 1; Flammability = 1; Physical Hazard = 0; Personal Protection = B

NFPA: Health = 1; Flammability = 1; Chemical Reactivity = 0; Special Hazards = None

Disclaimer: The information presented herein has been compiled from sources considered to be dependable and is accurate as of the date issued. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use are beyond our control, Falcon Industrial, Inc. makes no warranty regarding the accuracy of such data or its suitability for any use or for any consequence of its use. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Safe handling and use remains the responsibility of the purchaser and the purchaser has the sole responsibility to determine the suitability of the materials for any use and the manner of user contemplated. Falcon Industrial, Inc. assumes no responsibility for injury to the recipient or to third persons or for any damage to any property and the recipient assumes all such risks.