

**MATERIAL SAFETY DATA SHEET**  
 COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29CFR 1910.1200)



**SECTION I - PRODUCT IDENTIFICATION**

PRODUCT NAME: <b>SLICK</b> PRODUCT NUMBER: 590 PRODUCT TYPE: AEROSOL SUPPLIER'S NAME: <b>CHEMPACE CORPORATION</b> SUPPLIER'S ADDRESS: 45 BURBANK TOLEDO, OH 43607 D.O.T. HAZARD CLASS: ORM-D	Chemical Family: N/A Formula: Proprietary Date Prepared: 6/16/94 Emergency Phone: 419/535-0101 Information Phone: 419/535-0101	HMIS RATING: (Based on Aerosol Concentrate): 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Extreme  HEALTH ..... 2 FIRE ..... 4 REACTIVITY ..... 0 PERSONAL PROTECTION: B
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**SECTION II - INGREDIENTS**

CHEMICAL NAME	CAS NO.	% WT	313/CHEM	PEL	SKIN	TWA-TLV	CARCINOGEN
Isoparaffinic Hydrocarbon	64742-48-9	40-60	NO	400 ppm	NO	400 ppm	NO
Polydimethylsiloxane	63148-62-9	01-05	NO	N/E	NO	N/E	NO
Liquified Petroleum Gas	68476-85-7	40-60	NO	1000 ppm	NO	1000 ppm	NO

**SECTION III - PHYSICAL DATA**

DATA BELOW BASED ON AEROSOL CONCENTRATE ONLY:  
 Boiling Point: ~300°F  
 Vapor Density (Air=1): >1  
 Solubility in Water: Slight  
 pH: N/A  
 Specific Gravity (H<sub>2</sub>O = 1) @ 75°F: 0.720

DATA BELOW BASED ON TOTAL CONTENTS:  
 Vapor Pressure of Can (psig @ 70°F): 45  
 Appearance/Odor : Clear Liquid, Solvent Odor

**SECTION IV - FIRE AND EXPLOSION DATA**

Flash Point (OF CONCENTRATE ONLY): 49°F (T.O.C.)  
 Flammability as per USA Flame Projection Test: Extremely Flammable Spray  
 Extinguishing Media: Foam, CO<sub>2</sub>, Dry Media

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

Unusual Fire and Explosion Hazards: Exposure to temperatures above 120°F may cause bursting.

**SECTION V- REACTIVITY DATA**

Stability: Stable  
 Hazardous Polymerization: Will Not Occur  
 Incompatibility: Avoid contact with strong oxidizing agents  
 Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide

**SECTION VI - STORAGE AND HANDLING**

**KEEP OUT OF THE REACH OF CHILDREN**  
 For Industrial & Institutional Use Only.  
 Store in a cool, dry area away from heat or open flame.  
 Do not store at temperatures above 120°F.  
 NFPA Code 30B Rating: Level 3 Aerosol

**SECTION VII - HEALTH AND FIRST AID**

**PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE**

**EYES:** May cause slight irritation but does not injure eye tissue.  
**SKIN:** Frequent or prolonged contact may cause irritation  
**INHALATION:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea, and other central nervous system effects  
**INGESTION:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

**FIRST AID PROCEDURES**

**EYES:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.  
**SKIN:** Wash with soap and water. If irritation persists seek medical attention.  
**INHALATION:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.  
**INGESTION:** Do not induce vomiting. Seek medical attention immediately.

**SECTION VIII - SPECIAL PROTECTION DATA**

**RESPIRATORY PROTECTION:** None needed for proper use in accordance with label directions.  
**VENTILATION:** Provide local exhaust to keep TLV of Section II ingredients below acceptable limits.  
**PROTECTIVE GLOVES:** None needed for proper use in accordance with label directions. Use chemical resistant gloves if hand contact will be made.  
**EYE PROTECTION:** None needed unless it is anticipated that a splash or sprayback will occur, then wear safety glasses.

**SECTION IX - SPILL OR LEAK PRECAUTIONS**

**STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:**  
 Allow propellant to evaporate.  
 Maintain local exhaust and adequate ventilation.  
 No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and local laws.  
**WASTE DISPOSAL METHOD:**  
 Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

**N/A=NOT APPLICABLE    N/E=NOT ESTABLISHED    N/D=NOT DETERMINED    <=LESS THAN    >=MORE THAN**

**NOTICE:** The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor is it adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.



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REGISTERED TRADE NAME OF CHEMPACE CORP.

# MATERIAL SAFETY DATA SHEET

I - IDENTIFICATION	
DATE PREPARED	11-25-85
PACKAGE TYPE	Aerosol Container
FORMULA	Proprietary Mixture
TRADE NAME	SLICK

II - HAZARDOUS INGREDIENTS			
PRINCIPLE HAZARDOUS COMPONENT(S) (CHEMICAL NAME(S))	CAS#	Agency % (a)	TLV (ppm)
1,1,1-Trichloroethylene	71-55-6		350
Poly (dimethyl) siloxane	63148-62-9		----
Isopropyl alcohol	67-63-0		400
(The ingredients above are listed in descending order of concentration.)			
PROPELLANT	propane/butane	74-98-6/75-28-5	1000

III - PHYSICAL DATA			
BOILING POINT (°F) OF CONCENTRATE	N.D.	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) @ 75°F OF CONCENTRATE	1.297
VAPOR PRESSURE (psig) IN CAN @ 75°F	56	% VOLATILE BY VOLUME IN CAN	98
VAPOR DENSITY	N.D.	FLASH POINT OF CONCENTRATE	63°F Tag Open Cup
SOLUBILITY IN WATER OF CONCENTRATE	Negligible	APPEARANCE AND ODOR OF SPRAY	Clear water white liquid, mild, sweetish color
IV - FIRE & EXPLOSION HAZARD DATA			
FLAMMABILITY as per CPSC FLAME EXTENSION TEST	spray flammable	FLAMMABLE LIMITS	Lower H/A Upper H/A
EXTINGUISHING MEDIA	foam, dry chemical, Carbon Dioxide		
SPECIAL FIRE FIGHTING PROCEDURES	KEEP CONTAINERS COOL. USE EQUIPMENT OR SHIELDING REQUIRED TO PROTECT PERSONNEL AGAINST BURSTING, RUPTURING OR VENTING CONTAINERS.		
UNUSUAL FIRE & EXPLOSION HAZARDS	AT ELEVATED TEMPERATURES (ABOVE 120°F) CONTAINERS MAY VENT, RUPTURE OR BURST.		

V - REACTIVITY DATA			
CHEMICAL STABILITY	UNSTABLE		CONDITIONS TO AVOID Do not expose to temp. above 120° F.
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)	Strong alkalis, oxidizers, aluminum and other reactive metals.		
HAZARDOUS DECOMPOSITION PRODUCTS	Abnormally high temp. Possible trace amounts of phosgene		
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID None
	WILL NOT OCCUR	X	

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AEROSOL PRODUCTS PRESENT A LIMITED HAZARD DURING STORAGE OR USE IF LABEL PRECAUTIONS ARE FOLLOWED. INTENTIONAL MIS-USE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL, OR FATAL. PRESSURIZED CONTAINERS MUST NOT BE EXPOSED TO TEMPERATURES ABOVE 120°F AND SPRAY SHOULD NOT BE DIRECTED TOWARD FACE OR EYES, OPEN FLAME OR OTHER SOURCE OF IGNITION.

VI - HEALTH HAZARD DATA	
OSHA PERMISSIBLE EXPOSURE LIMIT N.D.	THRESHOLD LIMIT VALUE See Section II
EFFECTS OF OVER EXPOSURE	
<b>INHALATION:</b> Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headaches and possible unconsciousness.	
<b>SKIN CONTACT/ABSORPTION:</b> Prolonged or repeated contact can cause moderate irritation, defatting and dermatitis.	
<b>INGESTION:</b> Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.	
<b>EYES:</b> Can cause severe irritation, redness, tearing and blurred vision.	
EMERGENCY AND FIRST AID PROCEDURES	
<b>EYES AND SKIN</b> Flush with water, lifting upper and lower lids. Get medical attention. Wash exposed area with soap and water.	
<b>INHALATION</b> Remove to fresh air. If breathing difficult, administer oxygen. If breathing has stopped give artificial respiration. Get medical attention.	
<b>INGESTION</b> Do not induce vomiting. Get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis.	
VII - SPILL OR LEAK PROCEDURES	
<b>STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED.</b> Clean up area by mopping or with absorbent materials and place in closed containers for disposal. Consult Federal, State or local disposal authorities for approved disposal procedures.	
<b>WASTE DISPOSAL METHOD</b> WHEN USED PROPERLY AEROSOL PRODUCTS DO NOT GENERATE HAZARDOUS WASTE. EMPTY DE-PRESSURIZED CONTAINERS CAN NOT BE REUSED AND SHOULD BE WRAPPED AND PUT IN TRASH COLLECTION CANS WHICH ARE PRESSURIZED OR CONTAIN LIQUID MUST BE DISPOSED OF IN A PERMITTED WASTE MANAGEMENT FACILITY. CONSULT FEDERAL, STATE AND LOCAL DISPOSAL AUTHORITIES FOR APPROVED PROCEDURES.	
VII - SPECIAL PROTECTION INFORMATION	
<b>SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:</b> <b>RESPIRATORY:</b> General ventilation adequate.	
<b>EYE</b> Chemical splash goggles in compliance with OSHA regulations.	
<b>SKIN</b> Wear resistant gloves such as: neoprene, nitrile rubber or polyvinyl chloride.	
<b>OTHER</b> Do not eat, drink or smoke in work area, wash hands before eating.	
<b>VENTILATION REQUIREMENTS</b> Provide sufficient mechanical (general) and/or local exhaust ventilation to maintain exposure below TLV (S).	
IX - SPECIAL PRECAUTIONS	
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</b> Do not store at temperatures above 120 F.	
<b>SPECIAL PRECAUTIONARY STATEMENTS</b> PLEASE READ AND FOLLOW THE DIRECTIONS ON THE PRODUCT LABEL; THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE WAY, AND GIVE THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEALTH.	

NOTICE: WE BELIEVE THAT THE INFORMATION CONTAINED ON THIS MATERIAL SAFETY DATA SHEET IS ACCURATE. THE SUGGESTED PROCEDURES ARE BASED ON EXPERIENCE AS OF THE DATE OF PUBLICATION. THEY ARE NOT NECESSARILY ALL INCLUSIVE NOR FULLY ADEQUATE IN EVERY CIRCUMSTANCE. ALSO, THE SUGGESTIONS SHOULD NOT BE CONFUSED WITH NOR FOLLOWED IN VIOLATION OF APPLICABLE LAWS, REGULATIONS, RULES OR INSURANCE REQUIREMENTS.  
 NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE IS MADE