

**SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

**TRADE NAME:** SOKLEEN®  
**CHEMICAL NAME:** SYNTHETIC PROCESS DUST CONTROL AGENT  
**SYNONYMS:** DUST RETARDANT  
**CHEMICAL FAMILY:** N/A  
**MOLECULAR WEIGHT:** N/A  
**FORMULA:** N/A  
**CAS REGISTRY NO.:** PRODUCT A BLEND - NO NUMBER ASSIGNED

**SECTION II -- COMPOSITION/INFORMATION ON INGREDIENTS**

<u>NAME</u>	<u>%</u>	<u>CAS REG. NO.</u>
Severely hydrotreated, hydorcracked, hydroisomerized, high viscosity synthetic iso-alkane	Trade secret	Non-hazardous
Proprietary ingredients	Trade secret	Non-hazardous

**SECTION III -- HAZARDS IDENTIFICATION**

Synthetic Product                      May be irritating to breathing passages upon excessive heating, otherwise this product is essentially non-hazardous.  
Mist 8 hour TLV-TWA = 5mg/m<sup>3</sup> (ACGIH)

**SECTION IV -- FIRST AID MEASURES**

**EYES:** Flush eyes with flowing water at least 15 minutes, get medical attention. Do not use any eye ointment. Remove contact lenses.

**INHALATION:** Move subject to fresh air. If victim is not breathing perform artificial respiration. Administer oxygen if available. Keep victim warm and at rest. Seek medical attention as soon as possible.

**SKIN:** Flush with large amount of water or wash with soap and water. Seek medical attention if irritation persists.

**INGESTION:** DO NOT induce vomiting because of aspiration into the lungs. So-Kleen has a laxative effect and will be eliminated quickly. Seek medical attention.

**NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS.**

**NOTE TO PHYSICIAN:** Monitor respiratory distress. If cough or difficulty breathing develops, evaluate for respiratory tract irritation, bronchitis or pneumonitis.

**SECTION V -- FIRE FIGHTING MEASURES**

<b>FLAMMABILITY:</b>	Nonflammable, but will burn on prolonged exposure to flame or high temperature.
<b>FLASH POINT (TEST METHOD):</b>	>338°F (>170°C), open cup, ASTM D92, Cleveland
<b>AUTOIGNITION TEMPERATURE:</b>	664°F (351°C)
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	Do not cut, weld, heat of drill or pressurize empty container.
<b>MATERIALS TO AVOID:</b>	Low fire hazard. Must be moderately heated before ignition will occur. Avoid contact with strong oxidizing agents, including peroxides, chlorine and strong acids.
<b>PRODUCTS OF COMBUSTION:</b>	Carbon dioxide, carbon monoxide, smoke and irritating fumes as products of incomplete combustion.

**EXTINGUISHING MEDIA AND INSTRUCTIONS:**

If a tank, railcar or tank truck is involved in a fire isolate for 0.5 miles in all directions. Shut off fuel to fire if it is possible to do so without hazard. If this is impossible, withdraw from the area and let the fire burn itself out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any discoloration of the tank due to fire. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition or explosion.

SMALL FIRE: use dry chemicals, foam, CO<sub>2</sub>.

LARGE FIRE: use water spray, fog of foam. For small outdoor fires portable extinguishers may be used and SCBA (self contained breathing apparatus) may not be required. For all indoor fires and any significant outdoor fires SCBA if required. Respiratory and eye protection are required for fire fighting personnel.

**SECTION VI -- ACCIDENTAL RELEASE MEASURES****SPILL AND LEAK PROCEDURES:**

**ELIMINATE ALL IGNITION SOURCES.** Stop leak without risk and contain spill. Absorb with inert absorbent materials such as clay or sand. Place absorbent in closed metal containers for later disposal or burn in appropriate facility. Keep spills out of sewers and open bodies of water.

**SECTION VII -- HANDLING AND STORAGE**

<b>STORAGE:</b>	Keep in a cool, dry, ventilated storage area and in closed containers. Keep away from sources of ignition and oxidizing materials.
<b>HANDLING:</b>	KEEP AWAY FROM SOURCES OF IGNITION. Do not reuse empty containers. Practice good hygiene. Wash hands before eating. Launder clothes before reuse. Discard saturated leather goods.

**SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION**

<b>RESPIRATORY PROTECTION:</b>	None required if good ventilation is maintained. If mist is generated by heating or spraying use a NIOSH approved organic respirator with a mist filter.
<b>VENTILATION:</b>	Under normal handling conditions special ventilation is not necessary. If operation generates mist or fumes use ventilation of keep exposure to airborne contaminants below exposure limits.
<b>EYE PROTECTION:</b>	Chemical splash, goggles recommended.
<b>PROTECTIVE CLOTHING:</b>	Clothing to minimize skin contact, long sleeves, boots or shoes. For casual contact PVC gloves are suitable, for prolonged contact use neoprene or nitrile gloves.

**SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING/MELTING POINT @ 760 mm Hg:</b>	>600°F (>316°C)
<b>VAPOR PRESSURE mm Hg @ 20°C:</b>	negligible at ambient temperature
<b>SPECIFIC GRAVITY OR BULK DENSITY:</b>	0.83 at 68° F
<b>SOLUBILITY IN WATER:</b>	insoluble in water
<b>APPEARANCE:</b>	viscous, clear liquid
<b>ODOR:</b>	none
<b>POUR POINT:</b>	-33°F (-36°C)
<b>pH:</b>	N/A, not an aqueous solution or emulsion
<b>ACIDITY:</b>	none
<b>ALKALINITY:</b>	none

**SECTION X -- STABILITY AND REACTIVITY**

<b>STABILITY:</b>	Stable under normal handling conditions.
<b>CHEMICAL INCOMPATIBILITY:</b>	Can react with strong organic oxidizing materials..
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide, smoke, hydrocarbons and irritating fumes.
<b>HAZARDOUS POLYMERIZATION:</b>	Does not occur under normal industrial conditions.
<b>CONDITIONS TO AVOID:</b>	Excessive heat and flame.
<b>CORROSIVE TO METAL:</b>	No

**SECTION XI -- TOXICOLOGICAL INFORMATION****EFFECTS OF OVEREXPOSURE**

<b>INHALATION:</b>	Inhalation is highly unlikely. However prolonged or repeated inhalation of fumes or mists may cause irritation to the respiratory tract. Product deposits in lungs may lead to fibrosis and reduced pulmonary function.
<b>SKIN:</b>	It is not a skin irritant. However prolonged or repeated contact may cause skin irritation, dermatitis or oil acne.
<b>EYES:</b>	Prolonged or repeated contact may be irritating to eyes. Will not cause permanent damage.
<b>INGESTION:</b>	Relatively non toxic to digestive tract.
<b>MUTAGENIC:</b>	Mutagenic activity test are negative toward: Salmonella Typhimurium, Salmonella-Escherichia coli and Chinese Hamster ovary.
<b>REPRODUCTIVE TOXICITY:</b>	Based on data to date it does not pose a reproductive risk.

**CARCINOGENICITY:**

**Based on studies to date SO-KLEEN™ is not known to be carcinogenic to humans**

ACGIH (mists) - Based on available human studies, exposure to product mist alone has not demonstrated to cause human effects at levels below 5 mg/m<sup>3</sup>.  
IARC - IARC group 3; cannot be classified as to carcinogenicity to humans.  
NTP - No studies were found.  
IRIS - No studies were found.  
OSHA - OSHA PEL (8 hour TWA) = 5 mg/m<sup>3</sup> for synthetic product mists.

**SECTION XII -- ECOLOGICAL INFORMATION**

The synthetic iso-alkane portion has the potential for degradation by hydroxyl radicals in the troposphere under the influence of sunlight, and by bacteria in soil water. Potential for food chain concentration is low. The acute oral toxicity toward aquatic organisms is none to low: LC50 (rainbow trout) >500,000 ppm in 96 hours; LC50 (Mysidopsis bahai) >500,000 ppm in 96 hours. Passed the EPS 1/RM/24 Microtox test luminescent bacteria.

When used and applied properly SOKLEEN is not known to pose any ecological problems.

**SECTION XIII -- DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD:**

Consult your local authorities for regulations. Preferred waste management: recycle or reuse, incinerate with energy recovery, disposal in a licensed facility. Disposal facility should be compliant with state, local and federal government regulations.

**SECTION XIV -- TRANSPORTATION INFORMATION**

<b>D.O.T. PROPER SHIPPING NAME (49CFR172.101):</b>	None
<b>HAZARDOUS SUBSTANCE (40CFR116):</b>	N/A
<b>REPORTABLE QUANTITY (RQ):</b>	N/A
<b>D.O.T. HAZARD CLASSIFICATION (49CFR172.101):</b>	Non-regulated
<b>D.O.T. PLACARDS REQUIRED:</b>	None
<b>POISON CONSTITUENT (49CFR173.343):</b>	N/A
<b>BILL OF LADING DESCRIPTION:</b>	Synthetic, organic dust suppressant
<b>C NO.:</b>	N/A
<b>UN/NA CODE:</b>	N/A

**SECTION XV-- REGULATORY INFORMATION**

<b>EPA SARA Title III hazard class:</b>	None
<b>OSHA HCS hazard class:</b>	Non-OSHA hazardous (29CFR1910.1200)
<b>EPA SARA Title III Section 313 (40CFR372) Toxic Chemicals present in quantities greater than the "de minimus" level are:</b>	None
<b>California Proposition 65:</b>	This product does not contain reportable quantities of chemicals know to cause cancer or birth defects.
<b>New Jersey Right to Know:</b>	This MSDS is compliant with New Jersey Right to Know Laws.
<b>TSCA:</b>	All components of this formulation are listed on TSCA
<b>WHMIS (Canada):</b>	This product is not a "controlled product" under the Canadian Workplace Hazardous Material Information System (WHMIS)
<b>Canadian Domestic Substance List (DSL):</b>	All components in this formulation are listed on DSL.

**SECTION XVI -- OTHER INFORMATION****ABBREVIATIONS AND SYMBOLS:**N.D. - Not Determined  
< - LESS THANN.A. - Not Applicable  
> - MORE THAN

N.T. - Not Tested