

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

TRADE NAME: DUST-BUSTER® SDC 12000
CHEMICAL NAME: DUST SUPPRESSANT
SYNONYMS: N/A
CHEMICAL FAMILY: N/A
MOLECULAR WEIGHT: N/A
FORMULA: N/A
CAS REGISTRY NO.: 68439-57-6, 00107-41-5

SECTION II – HAZARDOUS COMPONENTS

<u>HAZARDOUS COMPONENT</u>	<u>CAS NO.</u>	<u>APPROX WT %</u>	<u>LD50 OR LC50 (species/route)</u>
2-Methyl-2, 4-Pentanediol	00107-41-5	5-10	TCLo 50 ppm (human/inhalat)
Olefin Sulfonate	68439-57-6	10-30	No Data Available

SECTION III – PHYSICAL DATA

BOILING POINT (F):	100° C	FREEZE POINT (F):	0° C
PH:	6.5 – 8.5	VAP PRESS (mmHg):	Not Determined
% VOLATILE (BY VOL)	99.9%	SPECIFIC GRAVITY:	1.0
VAPOR DENSITY:	Not Determined	EVAPORATION RATE:	Not Determined
SOLUBILITY IN WATER:	Complete	ODOR THRESH (ppm):	Not Determined
PHYSICAL STATE:	Liquid	OIL/WATER COEFFIC:	Not Applicable
APPEARANCE AND ODOR:	Clear to straw colored liquid, bland odor		

SECTION IV – FIRE AND EXPLOSION DATA

FLASHPOINT (METHOD): Product is not flammable or combustible.

AUTO-IGITION TEMP: Not Flammable **LEL:** Not Flammable **UEL:** Not Flammable

SENSITIVE TO MECHANICAL IMPACT? No **SENSITIVE TO STATIC DISCHARGE?** No

FLAMMABILITY CLASS: Not Flammable **CONDITIONS OF FLAMMABILITY:** Not Flammable

EXTINGUISHING MEDIA:

Product is not flammable. Use media appropriate to primary source of fire. Otherwise, use dry chemical, water spray, water fog, carbon dioxide, foam or sand/earth.

SPECIAL FIREFIGHTING PROCEDURES:

Product may generate carbon monoxide, carbon dioxide and/or oxides of sulfur if involved in a fire. Firefighters must be equipped to prevent breathing of vapors or products of combustion by using NIOSH approved self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Fumes and vapors may collect in confined spaces to present an inhalation hazard if entered into without adequate respiratory protection.

HAZARDOUS COMBUSTION PRODUCTS: None known

SECTION V – REACTIVITY DATA

STABLE - YES: XX NO:

CONDITIONS OF REACTIVITY:

Will react with incompatibles (see Section V below)

CONDITIONS OF CHEMICAL INSTABILITY:

Stable under ambient temperature and pressures.

INCOMPATIBILITY (MATERIALS TO AVOID):

Can react with oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS:

Steam when heated; carbon monoxide, carbon dioxide and/or oxides of sulfur if heated to decomposition.

IS THIS PRODUCT SUBJECT TO POLYMERIZATION? NO: XX YES:

CONDITIONS UNDER WHICH PRODUCT WILL POLYMERIZE: None Known

SECTION VI – TOXICOLOGICAL/HEALTH HAZARD DATA

ROUTES OF ENTRY:	SKIN CONTACT:	Yes	SKIN ABSORPTION:	Yes
	EYE CONTACT:	Yes	INHALATION:	Yes
	INGESTION:	Yes		

EXPOSURE LIMITS

2-Methyl-2, 4-Pentanediol (ceiling)
Olefin Sulfonate

ACGIH

25 ppm (125 mg/m³)
No Data Available

OSHA

25 ppm (125 mg/m³)
No Data Available

EFFECTS OF ACUTE EXPOSURE:

Eye, throat and respiratory irritation may be slight upon exposure to levels of 2-Methyl-2, 4-Pentanediol at 100 ppm but will become more pronounced at 1000 ppm. Mild to moderate skin irritation to exposed areas have also been reported.

EFFECTS OF CHRONIC EXPOSURE:

No known effects of chronic exposure.

SIGNS & SYMPTOMS OF EXPOSURE:

SKIN CONTACT: Irritation followed by redness and itching.
EYE CONTACT: Severe irritation with painful burning.
INHALATION OF SPRAY/MIST: Irritation to respiratory system such as coughing and shortness of breath.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

As with exposure to any environment without adequate personal protection, prolonged or frequent contact may aggravate pre-existing skin and/or respiratory conditions.

NAME OF TOXICOLOGICALLY SYNEAGISTIC PRODUCTS: None Known

IRRITANCY OF PRODUCT: No Data Available

REPRODUCTIVE TOXIN? No **TERATOGEN?** No **MUTAGEN?** No **SENSITIZER?** No

CONSIDERED CARCINOGENIC BY – NTP? No **IARC?** No **OSHA?** No

SECTION VII – PREVENTATIVE MEASURES**GLOVES (SPECIFY):**

Water impervious gloves during manual handling of product.

EYES (SPECIFY):

Safety goggle or chemical splash goggle, especially if splashing expected.

FOOTWEAR (SPECIFY):

Steel reinforced shoes when handling pallets of product.

CLOTHING (SPECIFY):

Long sleeves, buttoned collar, long pants extended over shoes or coveralls.

RESPIRATORY PROTECTION (SPECIFY):

Use NIOSH/MSHA certified respiratory with organic vapor cartridge if vapor concentration exceeds permissible exposure limit.

SPECIFIC ENGINEERING CONTROL TO BE USED WITH THIS PRODUCT:

If sprayed in a fine mist, local general mechanical collection and ventilation in accordance with good engineering practices should be provided to maintain exposure below permissible exposure levels.

PROCEDURES TO FOLLOW IN CASE OF SPILL OR LEAK:

Use adequate personal protection when handling this product, especially at extreme high temperature or if involved in a fire. Reclaim product for re-use, if possible, or collect and seal in DOT approved containers for disposal in an appropriate manner.

DISPOSAL PROCEDURE:

Disposal in accordance with local, state and federal regulations.

HANDLING PROCEDURES AND EQUIPMENT:

Keep container closed when not in use. If sprayed, use with adequate ventilation. Consumption of food and beverages should be avoided in work area where product is being used. After handling product, always wash hands and face thoroughly with soap and water before eating and drinking.

STORAGE REQUIREMENTS:

Suitable for any general chemical storage area. Store between 40°F and 120°F.

DOT SHIPPING INFO:

Non-regulated, no special precautions.

SECTION VIII – FIRST AID PROCEDURES

- INHALATION:** Remove to fresh air immediately. Do not permit exposed person to remain in misty or vaporous environment without adequate respiratory protection.
- EYE CONTACT:** Do not rub eyes. Wash eyes under slowly running water for at least fifteen minutes, making sure eyes are held wide open and moved slowly in every direction. Ensure no residue remains in creases of eyelids. If so, continue to wash. If irritation persists, consult an ophthalmologist.
- SKIN CONTACT:** Remove from source of irritation. Remove contaminated clothing and wash affected area thoroughly with a mild soap and water. Wash contaminated clothing before reusing.
- INGESTION:** If large amounts are swallowed and person is conscious, induce vomiting to prevent further absorption. Immediately call a physician. Never give any thing by mouth to an unconscious person.

SECTION IX – PREPARATION INFORMATION

- PREPARED BY:** CHERYL DETLOFF
- PHONE:** 330-456-3121
- DATE PREPARED:** 05/23/2007
- SOURCES USED:** ACGIH 2000; RTECS June '98; Sax – 8th Ed.; Ind. Exposure & Control Techn. For OSHA Regulated Substances – MgO (Fume), March, '89, pp. 1181-1184; NIOSH Occup. Health Guide. for Chem. Sub. – Vol. II, Sept., '78.