

Section 1 – PRODUCT AND COMPANY INFORMATION

Manufacturer	IMS Company 10373 Stafford Road Chagrin Falls, OH 44023-5296 WEB imscompany.com	Emergency Phone Prepared by Prepared/Revised E-mail	800-424-9300 Product Safety Advisor April 19, 2006 sales@imscompany.com
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Item Number	Size	Former Item Number
107320	2 ounce jar	SAG1-OB500-2
107439	14 ounce cartridge	SAG1-OB500-14C
105998	16 ounce jar	SAG1-OB500-16
107526	8 pounds, 1 gallon pail	SAG1-OB500-1G
107433	42 pounds, 5 gallon pail	SAG1-OB500-5G

Hazardous Material Information System

Health	1	Flammability	1	Reactivity	1	Protection	X
0	Normal use Material	0	Will Not Burn	0	Stable	X = Consult the	
1	Slight Hazard (temporary)	1	Possible to Burn	1	Unstable if Heated	MSDS and	
2	Health Affected (lengthy)	2	Burns if Heated	2	Violent Chemical Change	your supervisor	
3	Extreme Danger	3	Easily Burns	3	Shock and Heat Sensitive	for your special	
4	Severe or Fatal	4	Very Easily Burns	4	May Explode	workplace need	

* Chronic (Accumulates)

NOTE The HMIS may not be enough hazard information for this chemical in all workplaces. The HMIS system requires employee training about the system and about information in this MSDS.

Section 2 – INGREDIENTS INFORMATION

#	Chemical/Common Name	CAS-Number	%	PEL-OSHA	TLV-ACGIH
1	1-Decene homopolymer	68037-01-4	70 to 90	5mg/m ³	5mg/m ³
2	Organophillic clay	68953-58-2	5 to 25	10 mg/m ³ (4)	0.1 mg/m ³ (4)
3	Polytetrafluoroethylene	9002-84-0	0.1 to 10	(1) (3)	(1) (3)
4	Methylene bis dithiocarbonate	10254-57-6	0.1 to 10	(1)	5 mg/m ³
5	Zinc oxide (2)	1314-13-2	0.1 to 10	5mg/m ³	5mg/m ³

(1) Not Established

(2) Subject to SARA Title III Section 313 reporting requirements.

(3) Manufacturer's exposure level is 5mg/m³ for respirable dust.

(4) As respirable quartz.

This product Does Not Contain carcinogens according to NTP, IARC, or OSHA.

Section 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW Small amount (very thick material) is not expected to cause any emergency condition.

HEALTH EFFECTS (Acute and Chronic)

Nose No vapors expected. Vapors from elevated temperatures may cause respiratory irritation, harmful if aspirated into lungs. Vapors from over 400° F (204° C) may cause "Fume Fever."

Mouth May be harmful if swallowed. Possible irritation, nausea, or diarrhea.

Eyes Minimal irritation, tearing, reddening, or swelling. Avoid prolonged contact.

Skin May irritate skin. Avoid long-term contact. Prolonged contact may result in defatting, drying which may lead to irritation, dermatitis, allergic reaction. If injected under skin (with a high pressure grease gun), necrosis could result.

Chronic Not available

PRIMARY ROUTES OF ENTRY Skin, Eye

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Preexisting skin, and eye disorders could be aggravated by exposure to this type of product.

Section 4 – FIRST AID MEASURES

NOTE If irritation persists after any kind of body exposure, get medical help.

- Breathing** Vapors are not likely to injure, unless the product is heated. Get to fresh air if symptoms appear. If breathing has stopped, administer artificial respiration and get medical attention.
- Eating** ****Get Medical Help at once**** Do not induce vomiting.
- Eye Contact** Immediately flush eyes thoroughly with plenty of water for at least 15 minutes. Remove contact lenses. Hold eyelids open to irrigate fully. Get medical attention if irritation persists.
- Skin Contact** Remove contaminated clothing. Wash exposed area with soap and water. Wash contaminated clothing before re-use. If irritation persists, or if contact has been prolonged, get medical attention.
- Medical Notes** Treat symptomatically

Section 5 – FIRE FIGHTING MEASURES

Flash Point (estimated)420° F(215° C) Flammable Limits.....LEL = NA ...UEL = NA
Autoignition temperature590° F(310° C)

Extinguishing Media Water spray, alcohol-type foam, or all-purpose-type foam, for large fires. Carbon dioxide or dry chemical for small fires.

Special Fire Fighting Procedures Material will not burn unless preheated. Cool exposed containers with water. Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity. Firefighters should wear full bunker gear, self-contained, positive-pressure breathing apparatus, and protective clothing.

Unusual Fire and Explosion Hazards Streams of water are likely to spread fire. Use water spray only to cool containers. Will not flash spontaneously. Stable at ambient temperatures and pressures. Toxic fumes may be evolved on burning or exposure to heat.

Hazardous Combustion/Decomposition Products Hydrogen fluoride (HF), carbonyl fluoride, perfluoroolefin, carbon anoxide, fluorocarbons, carbon monoxide, carbon dioxide, and unidentified organic compounds.

Section 6 – ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled May burn, although not readily ignitable. Wear appropriate personal protective equipment according to the conditions, such as respirator and protective clothing. Small spills can be collected or absorbed with appropriate absorbing materials. Soak up residue with an absorbent such as clay, sand, or other suitable material. Dispose of properly. Flush area with water to remove trace residues, but do not let product or contaminated water get to drains, sewers, or rainfall. All spill response should be carried out in accordance with Federal, State, County/Provincial, and local requirements.

Section 7 – HANDLING AND STORAGE

Precautions to be Taken in Storage Product will burn. Eliminate open flames, strong oxidizers, and other sources of ignition from the storage area. Keep containers closed to avoid contamination from airborne dust and moisture. Observe applicable fire codes. Store in accordance with good industrial practices. These include store in cool, dry area out of direct sunlight (below 120° F, 49° C). Do not puncture or burn containers.

Handling Thoroughly wash after handling and before eating, drinking, or using tobacco products.

Maintenance Precautions Do not remove or deface label. Keep container closed.

Other Precautions As per any petroleum-based products, read and follow directions and cautions on the container label.

Section 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

Ventilation Usually not specifically required. No local exhaust required. General (mechanical) room ventilation may be adequate to maintain product and its components below TLV/PEL, if handled at ambient temperatures or in covered equipment. Local exhaust ventilation or other engineering controls may be required, if ambient temperatures are exceeded or if used in operations that may produce mist, aerosol, or vapor.

Respiratory Protection Usually none. If personnel exposure exceeds exposure limit at any time, select respiratory protection equipment in accordance with 29 CFR 1910.134. NIOSH approved atmosphere-supplying respirator or a NIOSH approved air-purifying respirator with organic vapor cartridge and dust/mist pre-filter is recommended.

Section 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION (cont)

Protective Gloves If needed to avoid long-term or repeated contact, natural rubber, neoprene, nitrile (NBR), and butyl are recommended materials.

Other Protective Equipment Safety glasses or goggles, and face shield, as appropriate for exposure.

Other Engineering Controls To determine exposure levels, monitoring should be performed. Eye bath and safety shower station should be available.

Work Practices Avoid long-term or repeated contact. Stained clothing should be removed and laundered before re-use. Sudden release of hot vapor or mist from process equipment operating at elevated temperature and pressure, or sudden ingress of air into hot equipment under vacuum, may result in ignition without the presence of obvious ignition sources. Autoignition temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated-temperature processes must be thoroughly evaluated to establish and maintain safe operating conditions.

Avoid contact with eyes. Wear chemical goggles if there is likelihood of contact. Avoid prolonged or repeated contact with skin. Wear chemical resistant gloves and other clothing as required to minimize contact.

Ventilation should maintain the concentration of the components below their TLV/PEL values.

Hygienic Practices Avoid contact with skin and avoid breathing vapors. Do not eat, drink, or smoke in work area. Wash hands before eating, drinking, or using restroom after using this or any chemical product. Launder contaminated clothing before reuse. Product can contaminate tobacco, causing flu-like sickness (from inhaling product's polytetrafluoroethylene component heated in tobacco smoke or ingested from handling tobacco and/or food products). After using this, or any chemical product, wash thoroughly before eating or smoking.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point.....	NA	Specific Gravity (Water=1)	0.87
Vapor Pressure at 68° F (20° C)	NIL	Percent Volatile by Volume (%)	NIL
Vapor Density (Air=1)	NIL	Evaporation Rate (butyl acetate=1) ..	NIL
VOC	NIL	Pour point.....	NA
Solubility in Water.....	NIL	pH	NA
Melting point	NA		

Appearance and Odor Information Light tan to off-white paste, sticky, almost odorless.

Section 10 – STABILITY AND REACTIVITY

Incompatibility (Materials to Avoid) Strong oxidizers

Will Hazardous Polymerization Occur? No

Conditions to Avoid for Polymerization See Incompatibility

Is the Product Stable? Yes

Conditions to Avoid for Stability Temperatures above 392° F (200° C), See Incompatibility

Section 11 – TOXICOLOGICAL INFORMATION

COMPONENT #	COMMENTS
1	Not listed in NTP, IARC, OSHA, Prop 65, and SARA 313. Is listed as a component of non-food article intended for use in contact with food or as a lubricant added to food directly as a result of incidental contact with container or equipment.
2	AKA Di (tallow alkyl) dimethyl ammonium bentonite, a quaternary compound
3, 4, 5	Not listed in NTP, IARC, OSHA, Prop 65, and SARA 313.

Section 12 – ECOLOGICAL INFORMATION

COMPONENT #	COMMENTS
1, 2, 3, 5	No ecological or environmental effects known
4	Considered toxic to aquatic life

Section 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Methods Consult Federal, State, County/Provincial, and Local regulations. Product is readily reclaimed from many applications; reclamation from spent fluids is encouraged where possible. At low concentrations in water, this product is biodegradable in a biological wastewater treatment plant. Where reclamation is not practical, this product may be incinerated where permitted under Federal, State, County/Provincial, and Local regulations, but only if the facility is capable of scrubbing out HF and other acidic products. Never dispose by means of public sewers or drainage. Empty containers should be recycled or disposed of through an approved waste management facility.

Section 14 – TRANSPORT INFORMATION

COMPONENT # COMMENTS
1, 2, 3, 4, 5Not regulated

Section 15 – REGULATORY INFORMATION

	Component 1	Component 2	Component 3	Component 4	Component 5
ACGIH	N	N	N	N	N
AIHA	N	N	N	N	N
ANSI	N	N	N	N	N
Canada - DSL	Y	Y	Y	Y	Y
CFC	N	N	N	N	N
DOT listed	N	N	N	N	N
EINECS listed	Y	Y	Y	Y	Y
EPA - CAA, CAW	N	N	N	N	N
EU rating #'s	N	N	N	N	N
HCFC	N	N	N	N	N
OSHA listed	Y	Y	N	N	N
PROP 65 listed	N	N	N	N	N
RCRA listed	N	N	N	N	N
SARA 313 list	N	N	N	N	Y
TSCA listed	Y	Y	Y	Y	Y
WHMIS-other	N	N	N	N	N

Section 16 – OTHER INFORMATION

CAUTION Intentional misuse of this chemical product, as with any industrial chemical in contact with the body, can be harmful or fatal. This includes such things as deliberately breathing, placing in mouth, swallowing, placing on skin, or any other body contact, or repeated, or continuous contact.

IMS provides this information in good faith, but makes no representation as to its comprehensiveness or its accuracy. This document is offered as a guide to a trained person, for appropriate precautionary handling. Persons using the product and receiving the information must exercise independent judgment in determining the appropriateness of the use and the safety information for their particular purpose. IMS MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT. ACCORDINGLY, IMS WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE ON THIS INFORMATION.

ACGIH American Conference of Governmental Hygienists
AKA Also Known As, Synonym
CAS Chemical Abstract Service
IARC International Agency for Research of Cancer
mg/m³ milligrams per Cubic Meter
N No, None, Not listed
NA Not Applicable, Not Available
ND Not Determined
NIL Not measurable, significant, noticeable, or an affect
NTP National Toxicology Program
OSHA Occupational Safety and Health Administration
ppm parts per million
Y Yes, Does Exists, Is Listed,