



MATERIAL SAFETY DATA SHEET

Copyright: 2012 Effective Date: 1/22/12 Supersedes: 1/1/11 Customer Service #: 405-745-2070

SECTION 1 - IDENTIFICATION

PRODUCT NAME: **STAINGUARD-50**

ISSUER AND MANUFACTURER: Chemical Products Industries, Inc.
7649 S.W. 34th Street
Oklahoma City, OK 73179
Tel.: (405) 745-2070
Toll Free: (800) 624-4356

FOR EMERGENCIES INVOLVING CHEMICAL SPILLS OR RELEASE: Tel.: (800) 424-9300

NOTE: Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

CAS #: Not Issued

CHEMICAL NAME & SYNONYMS: Oleophobic Impregnator

SECTION 2 - COMPOSITION

INGREDIENTS	CAS NUMBER	% BY WT*	OSHA PEL	ACGIH TLV
- Alkylsilanes	Mixture	40-80	n.e.	n.e.
- Isopropyl Alcohol	67-63-0	40-80	400 ppm	400 ppm
- n-Butyl Acetate	123-86-4	<15	150 ppm	150 ppm
- Nonhazardous Additives		1-10	n.e.	n.e.

SECTION 3 - HAZARD IDENTIFICATION

NFPA 704 CODES: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious and 4=Severe

HEALTH (BLUE)	FLAMMABILITY (RED)	REACTIVITY (YELLOW)	CLOTHING
NFPA: 1	NFPA: 3	NFPA: 0	NFPA: G
HMIS: 3	HMIS:	HMIS: 0	HMIS: G
EYE CONTACT:	Direct contact may irritate seriously with moderate to severe redness, swelling and some corneal injury lasting generally days up to a week.		
SKIN CONTACT:	A single short exposure causes moderate skin irritation, may cause defatting. Prolonged contact (24 to 48 hours) irritates seriously and may burn mildly.		
INHALATION:	Causes moderate respiratory tract irritation; causes central nervous system damage. Vapor overexposure may cause drowsiness.		
INGESTION:	This material can enter the lungs during swallowing or vomiting and cause lung inflammation and / or damage (aspiration hazard). However, ingestion is not expected in industrial use. If swallowed, product meeting with body fluids can form methyl alcohol which may cause blindness and possibly death.		

ACUTE EFFECTS OF EXPOSURE: Refer to routes of exposure above.

CHRONIC EFFECTS OF EXPOSURE: None known.

There is no data available which address medical conditions that are generally recognized as being aggravated by exposure to this product.

This material does not contain any ingredients listed by IARC, NTP or OSHA as carcinogens, teratogens or mutagens in amounts exceeding 0.1%.

This material releases methyl alcohol upon hydrolysis. Methyl alcohol causes optic neuropathy, metabolic acidosis and respiratory depression. Signs and symptoms of overexposure include headache, blurred vision, constricted visual fields, shortness of breath, dizziness and vertigo. Ingestion of methyl alcohol may lead to blindness or death.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: In case of contact, flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing the entire surface of the eye and lids with water. Get medical attention.

SKIN CONTACT: Remove excess material from the skin with a waterless skin cleaner. Flush skin with plenty of water and wash well with water and soap. Remove contaminated clothing and shoes. Obtain medical attention. Wash clothing before reuse.

INHALATION: If inhaled, remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

INGESTION: Never give an unconscious person anything to drink. If unconscious, treat for shock. Notify a physician or the nearest poison control center immediately. If conscious, have the person rinse his mouth with cold water. Induce vomiting (vomiting may occur naturally). If unconscious and vomiting, turn the person on his side to avoid choking. Note: Treat the same as methyl alcohol poisoning.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable liquid. Hazardous decomposition products including carbon dioxide, carbon monoxide, hydrogen fluoride, toxic gases or particles may be formed during combustion. These products may cause severe eye, nose, throat and lung irritation. Do not pour, spill or store near heat, spark sources, or open flames.

Extinguishing Media – Water Spray, Foam, Dry Chemical, CO₂

Fire Fighting Instructions – Wear self contained breathing apparatus (SCBA) and full protective equipment, Cool tank/container with water spray. As in any fire, prevent human exposure to fire, smoke, fumes, or products of combustion. Evacuate non-essential personnel from the fire area.

Use water spray to cool non-involved containers.

Flammable vapors may accumulate in the container headspace.

Vapors are heavier than air and may travel along the ground, be moved by ventilation systems, settle in pits or low areas, and be ignited by ignition sources distant from the handling point. To prevent fire or explosion from static accumulation and discharge, effectively ground the material transfer system.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Review FIRE AND EXPOSITION DATA before cleanup.

Eliminate all ignition sources. Control the source of the spill if it is safe to do so.

Dike area to contain spill and to prevent entry into sewers or waterways.

Make sure all personnel involved in the spill cleanup follow good industrial hygiene practices (refer to SECTION VIII: INDUSTRIAL HYGIENE).

Absorb spill with sand or Fuller's earth. Sweep up and place in an appropriate chemical waste container. Flush spill area with water. Observe all local, state, and federal laws and regulations regarding disposal, spill, cleanup, removal, or discharge.

SECTION 7 - HANDLING AND STORAGE

Store in a cool, dry, well ventilated area. Keep away from heat, sparks and open flame. Never use welding or cutting torch on or near any container (even empty) as an explosion can occur. Care should be taken to prevent moisture condensation in the container. Keep container closed and store away from water or moisture.

Open container with care. Flammable vapors may be present in the container headspace.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Appropriate personal protective equipment necessary to prevent contact should be worn. Ventilation that keeps the organic vapor concentration below 400 ppm is recommended. For concentrations up to 1,000 ppm, wear a NIOSH/MSHA approved respirator in accordance with OSHA standard 29 CFR 1910, 134 for organic vapors. Up to 5,000 ppm, wear a full-face organic vapor respirator or full face supplied air respirator. Greater than 5,000 ppm, fire fighting or unknown concentrations, wear self-contained breathing apparatus with positive pressure. Eye protection, resistant clothing and resistant boots should be worn where spills or splashing can occur. Chemical proof goggles are recommended. Gloves of impervious materials (Silver Shield (R), 4H (R), nitrile, neoprene or other material resistant to alcohol) are recommended. Wash contaminated clothing before reuse. An eye wash station should be available.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE:	Clear to Slightly Yellow
ODOR:	Alcohol odor
BOILING POINT, 760 mm Hg:	> 180° F
FLASH POINT	> 70° F (est.)
VAPOR PRESSURE:	20C
SPECIFIC GRAVITY	0.84
VISCOSITY	Similar to Water

SECTION 10 - STABILITY AND REACTIVITY

The alcohol evaporates - avoid breathing the vapor. The silane content of the mixture will react with bases, acids and oxidizers producing heat, polymers and oxidation by-products. Vaporization of small quantities of solvent controls any heat released. Atomization, vaporization or combustion forms aerosols which can carry silane containing materials, carbon oxides and silicon dioxide into the atmosphere. Hazardous polymerization will not occur.

Non corrosive to materials commonly used in the construction of process equipment, storage and shipping containers.

Avoid contact with water and strong oxidizing agents.

Stable at ambient temperatures and atmospheric pressure.

HAZARDOUS/THERMAL DECOMPOSITION PRODUCTS: SiO₂, CO, CO₂, formaldehyde and various hydrocarbon fragments.

SECTION 11 - TOXICOLOGICAL INFORMATION

The alcohols are flammable, and have acute and chronic health hazards. The OSHA PEL and ACGIH TLV is 1000 ppm for the ethyl alcohol. The solvent vapors are harmful if inhaled and may cause delayed lung injury. In a confined area, the high vapor pressure of the solvent can generate harmful concentrations. Inhalation can cause nervous system depression. The solvent is an aspiration hazard if swallowed - it can enter the lungs and cause damage. The active ingredients, silanes, are known to be a mild eye and upper respiratory irritant. The OSHA PEL and ACGIH TLV has not been established for silanes; however, the low vapor pressure of silane containing materials in STAINGUARD-50 should produce air concentrations below expected exposure limits. The LD50 for the silanes has not been determined, but should be relatively high based upon typical silicone toxicity. Do not take internally, avoid breathing mist and minimize eye and skin contact.

SECTION 12 - ECOLOGICAL INFORMATION

Do not allow STAINGUARD-50 to enter soil or drains.

SECTION 13 - DISPOSAL CONSIDERATIONS

Small quantities may be handled by evaporating the solvent in a hood and then the remaining material disposed in appropriate land fills. Disposal of large quantities should be through a licensed disposal company. Utilize a permitted hazardous waste disposal site or industrial waste disposal site as appropriate. Consider recycling or incineration.

Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable regulations under the Resource Conservation and Recovery Act (RCRA).

NOTE: State and local regulations may be more stringent than those under RCRA.

If this product becomes a waste, it is considered a hazardous waste due to its ignitability.

Dispose of empty containers according to any applicable regulations under the Resource Conservation and Recovery Act (RCRA). NOTE: State and local regulations may be more stringent than those under RCRA.

Empty containers may contain residual material. Do not reuse containers unless properly reconditioned.

SECTION 14 - TRANSPORT INFORMATION

DOT:	PROPER SHIPPING NAME	FLAMMABLE LIQUID n.o.s. (ISOPROPANOL)
	UN#	1219
	CLASS	3
	PACKAGING GROUP	II
	PRIMARY LABEL	Flammable liquid
	PLACARD	Yes
	HAZARD	Flammable

SECTION 15 - REGULATORY INFORMATION

STATUS ON SUBSTANCE LIST:

The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations.
Trade Secrets are indicated by "TS"

FEDERAL EPA

Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA)

requires notification of the National Response Center of release of quantities of Hazardous Substance equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are:

NONE

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III

requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

NONE

Superfund Amendments an Reauthorization Act of 1986 (SARA) Title III

requires submissions of annual report of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are

UPPER BOUND

CHEMICAL

CAS NUMBER

CONCENTRATION %

This product does not contain toxic chemicals at levels which require reporting under the statute.

Toxic Substances Control Act (TSCA) STATUS

The ingredients of this product are on the TSCA inventory.

STATE RIGHT -TO-KNOW

CALIFORNIA Proposition 65

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

MASSACHUSETTS Right-TO-Know, Substance List (MSL)

Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are:

HAZARDOUS SUBSTANCES (=> 1%)

CHEMICAL	CAS NUMBER	UPPER BOUND CONCENTRATION %
Isopropanol	67-63-0	100

PENNSYLVANIA Right-To-Know

Hazardous Substance List Hazardous Substances and Special Hazardous

Substances on the List must be identified when present in products. Components present in the is product at a level which could require reporting under the statute are:

HAZARDOUS SUBSTANCES (=> 1%)

CHEMICAL	CAS NUMBER	UPPER BOUND CONCENTRATION %
Isopropanol	67-63-0	100

OTHER REGULATORY INFORMATION:

EPA Hazard Categories: Immediate Health, Delayed Health, and Fire.

NOTE ----

The opinions expressed herein are those of qualified experts within Union Carbide. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the conditions of the use of the product are not under the control of Union Carbide, it is the user's obligation to determine conditions of safe use of the product.

REVISED SECTION:

Section IV: FIRE AND EXPLOSION HAZARD DATA
Section V: HEALTH HAZARD DATA
Section IX: PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

PRODUCT: 43062

F NUMBER: C01101

SECTION 16 - OTHER INFORMATION

n.e. = Not established; n.a. = Not applicable/ not available; n.d. = Not determined; TLV = Threshold Limit Value; PEL = Permissible Exposure Limit; OSHA = Occupational Safety and Health Administration; ACGIH = American Conference of Governmental Industrial Hygienists; LEL = Lower Explosive Limit; UEL = Upper Explosive Limit; ppm = parts per million; TSCA = Toxic Substances Control Act; SARA = Superfund Amendments and Reauthorization Act; Dot = Department of Transportation.

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DATE: 1/22/12

SUPERCEDES: 1/11/11

All terms and abbreviations have been defined in various government publications, or are standard chemical terms used by IUPAC.

The data and recommendations herein are based upon our research and the research of others, and are believed to be accurate. However, no warranty or guarantee of their accuracy is made; and the products are distributed without warranty, expressed or implied, including the limited warranties of merchantability of fitness for particular purpose.

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