



MATERIAL SAFETY DATA SHEET

prepared 04/08/10

HAZARDS IDENTIFICATION (ANSI Section 3)

Primary route(s) of exposure : Inhalation, skin contact, eye contact, ingestion.

Effects of overexposure :

Inhalation : Irritation of respiratory tract, lungs. Prolonged inhalation may lead to mucous membrane irritation, headache, nausea, chest pain, coughing, difficulty of breathing, pneumoconiosis.

Skin contact : Irritation of skin.

Eye contact : Irritation of eyes.

Ingestion : Ingestion may cause gastro-intestinal disturbances.

Medical conditions aggravated by exposure : Eye, skin, respiratory disorders.

FIRST-AID MEASURES

(ANSI Section 4)

Inhalation : Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headache, dizziness or other discomfort.

Skin contact : Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeated applications may be needed. Remove contaminated clothing before re-use.

Eye contact : Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

Ingestion : If swallowed, obtain medical treatment immediately.

FIRE-FIGHTING MEASURES

(ANSI Section 5)

Fire extinguishing media : Dry chemical or foam water fog. Carbon dioxide. Closed containers may burst if exposed to extreme heat or fire.

Fire fighting procedures : Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.

Hazardous decomposition or combustion products : Carbon monoxide, carbon dioxide. Vinyl acetate monomer acrylic monomers. Sodium oxide, acetaldehyde.

ACCIDENTAL RELEASE MEASURES

(ANSI Section 6)

Steps to be taken in case material is released or spilled : Comply with all applicable health and environmental regulations. Ventilate area. Evacuate all unnecessary personnel. Place collected material in proper container. Spilled material is extremely slippery. Complete personal protective equipment must be used during cleanup. Large spills - shut off leak if safe to do so. Dike and contain spill. Pump to storage or salvage vessels. Use absorbent to pick up excess residue. Keep salvagable material and rinse water out of sewers and water courses. Small spills - use absorbent to pick up residue and dispose of properly.

HANDLING AND STORAGE

(ANSI Section 7)

Handling and storage : Store below 100°F (38c). Keep from freezing.

Other precautions : Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. Avoid conditions which result in formation of inhalable particles such as spraying or abrading (sanding) painted surfaces. If such conditions cannot be avoided, use appropriate respirator protection as directed under exposure controls/personal protection.

EXPOSURE CONTROL/PERSONAL PROTECTION (ANSI Section 8)

Respiratory protection : Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian z94.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of respirators (Canadian z94.4).

Ventilation : Provide dilution ventilation or local exhaust to prevent build-up of vapors.

Personal protective equipment : Eye wash, safety shower, safety glasses or goggles. Impervious gloves.

STABILITY AND REACTIVITY

(ANSI Section 10)

Under normal conditions : Stable see section 5 fire fighting measures

Materials to avoid : Oxidizers, acids, bases.

Conditions to avoid : Freezing.

Hazardous polymerization : Will not occur

TOXICOLOGICAL INFORMATION

(ANSI Section 11)

Supplemental health information : No additional effects are anticipated

Carcinogenicity : Treatment related nasal tumors were observed in rats and mice exposed to vinyl acetate via inhalation at 600 ppm for 2 years. In a lifetime inhalation study, exposure to 250 mg/m³ titanium dioxide resulted in the development of lung tumors in rats. These tumors occurred only at dust levels that overwhelmed the animals' lung clearance mechanisms and were different from common human lung tumors in both type and location. The relevance of these findings to humans is unknown but questionable. The international agency for research on cancer (IARC) has classified titanium dioxide as possibly carcinogenic to humans (group 2b) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

Reproductive effects : No reproductive effects are anticipated

Mutagenicity : No mutagenic effects are anticipated

Teratogenicity : No teratogenic effects are anticipated

ECOLOGICAL INFORMATION

(ANSI Section 12)

No ecological testing has been done by akzo nobel paints llc on this product as a whole.

DISPOSAL CONSIDERATIONS

(ANSI Section 13)

Waste disposal : Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.

REGULATORY INFORMATION

(ANSI Section 15)

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard criteria of the CFR (controlled products regulations) and the MSDS contains all the information required by the CFR.

The information contained on this sheet is based on data available at the time of preparation of this data sheet which is the best information available at the time of preparation of this data. Akzo Nobel Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability, and completeness for your own use, for the protection of the environment, and the health and safety of your employees and the users of this material. Complies with OSHA hazard communication standard 29CFR1910.1200.

SV34XX

EMERGENCY TELEPHONE NO. (800) 545-2643

Akzo Nobel Paints 15885 Sprague Road Strongsville, Ohio 44136

GLIDEN SHEET INTERIM FLAT NO-VCC 11:07 PM 10/21/2010

Physical Data

(ANSI Sections 1, 9, and 14)

Product Code	Description	Wt. / Gal.	VOC gr./lit.	% Volatile by Volume	Flash Point	Boiling Range	HMS	DOT, proper shipping name
SV3402	spread int flat latex no-voc antique white	11.07	3.63	67.10	none	212-212	310	paint ** protect from freezing **

Ingredients

Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS. No.	SV3402
silicic acid, aluminum sodium salt	sodium aluminosilicate	1344-00-9	1-5
titanium oxide	titanium dioxide	13463-67-7	10-20
ceramitic materials and waxes, chemicals	calcined kaolin clay	68402-68-4	10-20
water	water	7732-18-5	50-60
vinyl acetate/acrylic copolymer	vinyl acetate/acrylic copolymer	Sup. Conf.	10-20

Chemical Hazard Data

(ANSI Sections 2, 8, 11, and 15)

Common Name	CAS. No.	ACGIH-TLV			OSHA-PEL			S.R. Std.	S2	S3	CC	H	M	N	I	O
		8-Hour TWA	STEL	C	S	8-Hour TWA	STEL									
sodium aluminosilicate	1344-00-9	10 mg/m ³	not est.	not est.	not est.	5 mg/m ³	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.
titanium dioxide	13463-67-7	10 mg/m ³	not est.	not est.	not est.	10 mg/m ³	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.
calcined kaolin clay	68402-68-4	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.
vinyl acetate/acrylic copolymer	Sup. Conf.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.

Footnotes:
 C= Ceiling - Concentration that should not be exceeded, even instantaneously.
 S= Skin - Additional exposure, over and above airborne exposure, may result from skin absorption.
 n/a=not applicable
 not est=not established
 CO=CERCLA Chemical
 ppm=parts per million
 mg/m³=milligrams per cubic meter
 Sup Conf=Supplier Confidential
 S2=Same Section 302 EHS
 S3=Same Section 313 Chemical
 S, R, Std.=Supplier Recommended Standard
 H=Hazardous Air Pollutant, M=Marine Pollutant
 P=Pollutant, S=Severe Pollutant
 Carcinogenicity Listed For:
 N=NTF, A=ARC, O=OSHA, y=yes, n=no

HAZARDS IDENTIFICATION (ANSI Section 3)

Primary route(s) of exposure : Inhalation, skin contact, eye contact, ingestion.

Effects of overexposure :

Inhalation : Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, headache, runny chest pain, coughing, difficulty of breathing, severe lung irritation or damage, pneumonocytosis.

Skin contact : Irritation of skin.

Eye contact : Irritation of eyes. Prolonged or repeated contact can cause tearing of eyes, redness of eyes.

Ingestion : Ingestion may cause mouth and throat irritation, nausea, gastro-intestinal disturbances, abdominal pain.

Medical conditions aggravated by exposure : Eye, skin, respiratory disorders, lung disorders, asthma-like conditions.

FIRST-AID MEASURES**(ANSI Section 4)**

Inhalation : Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.

Skin contact : Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable oil mineral/oily oil onto skin. Repeated applications may be needed. Remove contaminated clothing. Wash contaminated clothing before re-use.

Eye contact : Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

Ingestion : If swallowed, obtain medical treatment immediately.

FIRE-FIGHTING MEASURES**(ANSI Section 5)**

Fire extinguishing media : Dry chemical or foam water fog. Carbon dioxide. Closed containers may burst if exposed to extreme heat or fire. In closed tanks, water or foam may cause frothing or eruption.

Fire fighting procedures : Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.

Hazards decomposition or combustion products : Carbon monoxide, carbon dioxide, acrylic monomers, Sodium oxide, oxides of calcium.

ACCIDENTAL RELEASE MEASURES**(ANSI Section 6)**

Steps to be taken in case material is released or spilled : Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Evacuate all unnecessary personnel. Place collected material in proper container. Spilled material is extremely slippery. Small spills - use absorbent to pick up residue and dispose of properly.

HANDLING AND STORAGE**(ANSI Section 7)**

Handling and storage : Store below 100F (38o). Keep from freezing.

Other precautions : Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. Avoid conditions which result in formation of inhalable particles such as spraying or abrading.

(sand/ing) painted surfaces. If such conditions cannot be avoided, use appropriate respiratory protection as directed under exposure controls/personal protection.

EXPOSURE CONTROL/PERSONAL PROTECTION (ANSI Section 8)

Respiratory protection : Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian 29&.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (substrate) prefilterers. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of respirators (Canadian 294.4).

Ventilation : Provide dilution ventilation or local exhaust to prevent build-up of vapors.

Personal protective equipment : Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing.

STABILITY AND REACTIVITY**(ANSI Section 10)**

Under normal conditions : Stable see section 5 Fire fighting measures

Materials to avoid : Oxidizers, acids, bases, ammonium salts, Styrene monomer.

Conditions to avoid : Elevated temperatures, contact with oxidizing agent, freezing, sparks, open flame.

Hazardous polymerization : Will not occur

TOXICOLOGICAL INFORMATION**(ANSI Section 11)**

Supplemental health information : No additional effects are anticipated

Carcinogenicity : In a lifetime inhalation study, exposure to 250 mg/m³ titanium dioxide resulted in the development of lung tumors in rats. These tumors occurred only at dust levels that overwhelmed the animal's lung clearance mechanisms and were different from common human lung tumors in both type and location. The relevance of these findings to humans is unknown but questionable. The international agency for research on cancer (IARC) has classified titanium dioxide as possibly carcinogenic to humans (Group 2b) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

Reproductive effects : No reproductive effects are anticipated

Mutagenicity : No mutagenic effects are anticipated

Teratogenicity : No teratogenic effects are anticipated

ECOLOGICAL INFORMATION**(ANSI Section 12)**

No ecological testing has been done by Akzo Nobel paints Inc on this product as a whole.

DISPOSAL CONSIDERATIONS**(ANSI Section 13)**

Waste disposal : Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.

REGULATORY INFORMATION**(ANSI Section 15)**

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.

The information contained herein is based on data available at the time of preparation of this data sheet which Akzo Nobel Paints believes to be reliable. However, no warranty is given, expressed or implied regarding the accuracy of this data. Akzo Nobel Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and the users of this material. Complies with OSHA hazard communication standard 29CFR1910.1200.

Physical Data

(ANSI Sections 1, 9, and 14)

Product Code	Description	Wt. / Gal	VOC gr./lit.	% Volatile by Volume	Flash Point	Boiling Range	HMTS	DOT, proper shipping name
GL 1001	glickden (inhibitor) tester-base 1	11.85	45.71	63.06	none	21.2-501	3:10	paint ** protect from freezing **
GL 1002	glickden (inhibitor) tester-base 2	10.03	48.68	67.86	none	21.2-501	3:10	paint ** protect from freezing **
GL 1003	glickden (inhibitor) tester-base 3	9.61	49.54	69.35	none	21.2-212	3:10	paint ** protect from freezing **
GL 1004	glickden (inhibitor) tester-base 4	9.74	49.03	64.35	none	21.2-501	3:10	paint ** protect from freezing **

Ingredients

Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS. No.	GL 1001	GL 1002	GL 1003	GL 1004
limestone	limestone	1317-65-3	5-10			
kaolin	clay	1332-58-7	1-5	1-5		5-10
silicic acid, aluminum sodium salt	sodium aluminosilicate	1344-00-9		1-5		
titanium oxide	titanium dioxide	13463-67-7	10-20	10-20	1-5	
2-propenoic acid, butyl ester, polymer with ethenyl acetate	vinyl acrylic latex	25067-01-0	10-20	10-20	10-20	
propenoic acid, 2-methyl-, monomer with 2,2,4-trimethyl-1,3-pentanediol	hexanol	25285-77-4	1-5	1-5		1-5
naphthalene synton	feldspar-type minerals	37244-96-5			10-20	10-20
ceramic materials and waxes, chemicals	calcined kaolin clay	66402-68-4	1-5	1-5		
water	water	7732-18-5	40-50	50-60	50-60	50-60
acrylic resin	acrylic resin			1-5	1-5	20-30

Chemical Hazard Data

(ANSI Sections 2, 8, 11, and 15)

Common Name	CAS. No.	ACGIH-TLV			OSHA-PEL			S.R. Std.	S2	S3	CC	H	M	N	I	O
		8-Hour TWA	STEL	C	S	8-Hour TWA	STEL									
limestone	1317-65-3	10 mg/m ³	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	n
clay	1332-58-7	2 mg/m ³	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	n
sodium aluminosilicate	1344-00-9	10 mg/m ³	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	n
titanium dioxide	13463-67-7	10 mg/m ³	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	y	y	n	n
vinyl acrylic latex	25067-01-0	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	n
hexanol	25285-77-4	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	n
feldspar-type minerals	37244-96-5	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	n
calcined kaolin clay	66402-68-4	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	n

Footnotes:
 C= Ceiling - Concentration that should not be exceeded, every instantaneously. S= Skin - Additional exposure, over and above airborne exposure, may result from skin absorption.
 n/a= not applicable. not est.= not established. CC= CERCLA Chemical. ppm= parts per million. mg/m³= milligrams per cubic meter. Sup. Conf.= Supplier Recommended Standard.
 S2= Sara Section 302 EHS. S3= Sara Section 313 Chemical. S.R. Std.= Supplier Recommended Standard.
 H= Hazardous Air Pollutant, M= Marine Pollutant. P= Pictogram, S= Severe Pictogram. Carcinogenicity Listed By: N= NTP, I= IARC, O= OSHA, y= yes, n= no.