

SAFETY DATA SHEET

Revision Date 13-May-2015

Version 2

1. IDENTIFICATION

Product identifier Product Name	Satinamel D/B
Other means of identification Product Code SKU(s)	CS-1333 None
Recommended use of the chen	nical and restrictions

Recommended use of the chemical and restrictions on useRecommended UseNo information available.Uses advised againstNo information available

Details of the supplier of the safety data sheet

Manufacturer Address Diamond Vogel Paint 1020 Albany Place SE Orange City, IA 51041 Phone: 712-737-4993 Fax: 712-737-4997

Emergency telephone number Emergency Telephone

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Emergency Overview

Danger

Hazard statements

May cause an allergic skin reaction May cause genetic defects May cause cancer Causes damage to organs through prolonged or repeated exposure May be fatal if swallowed and enters airways Flammable liquid and vapor



Appearance No information available

Physical state liquid

Odor No information available

Precautionary Statements - Prevention

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Contaminated work clothing should not be allowed out of the workplace Wear protective gloves Do not breathe dust/fume/gas/mist/vapors/spray Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Keep away from heat/sparks/open flames/hot surfaces. - No smoking Keep container tightly closed Ground/bond container and receiving equipment Use only non-sparking tools Take precautionary measures against static discharge Use explosion-proof electrical/ ventilating/ lighting/ equipment

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention If skin irritation or rash occurs: Get medical advice/attention Wash contaminated clothing before reuse IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information Unknown acute toxicity

41.7% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Calcium carbonate	1317-65-3	10 - 30	*
Solvent Naphtha, Medium Aliphatic	64742-88-7	10 - 30	*
Stoddard Solvent	8052-41-3	7 - 13	*
Talc (powder)	14807-96-6	7 - 13	*
Titanium dioxide	13463-67-7	3 - 7	*
Xylene	1330-20-7	1 - 5	*
Ethyl Benzene	100-41-4	0.1 - 1	*
Crystalline Silica	14808-60-7	0.1 - 1	*

Methyl Ethyl Ketoxime	96-29-7	0.1 - 1	*
*The exact percentage (concentration) of composition has been withheld as a trade secret.			secret.

4. FIRST AID MEASURES

Description of first aid measures

Note to physicians			
Indication of any immediate medic	Indication of any immediate medical attention and special treatment needed		
Symptoms	No information available.		
Most important symptoms and effects, both acute and delayed			
Self-protection of the first aider	Use personal protective equipment as required.		
Ingestion	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.		
Inhalation	Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Move victim to fresh air. If not breathing, give artificial respiration. Call a physician immediately.		
Skin Contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Call a physician immediately.		
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.		
General advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.		

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Flammable.

Explosion data Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Remove all sources of ignition. Use personal protective equipment as required.

Environmental precautions

Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.				
Methods and material for containm	Methods and material for containment and cleaning up				
Methods for containment	Prevent further leakage or spillage if safe to do so.				
Methods for cleaning up	Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.				
	7. HANDLING AND STORAGE				
Precautions for safe handling					
Advice on safe handling	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.				
Conditions for safe storage, includ	ing any incompatibilities				
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights,				

electric motors and static electricity).

Incompatible materials Chlorinated compounds.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Calcium carbonate 1317-65-3	-	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Stoddard Solvent 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ 15 min TWA: 350 mg/m ³
Talc (powder) 14807-96-6	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	(vacated) TWA: 2 mg/m ³ respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more, use Quartz limit	IDLH: 1000 mg/m ³ TWA: 2 mg/m ³ containing no Asbestos and <1% Quartz respirable dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m ³	_
Ethyl Benzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m ³	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³

Crystalline Silica 14808-60-7	TWA: 0.025 mg/m ³ respirable fraction	(vacated) TWA: 0.1 mg/m ³ respirable dust	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust
		: (30)/(%SiO2 + 2) mg/m ³ TWA total dust : (250)/(%SiO2 + 5) mppcf TWA	
		respirable fraction (10)/(%SiO2 + 2) mg/m ³ TWA respirable fraction	

NIOSH IDLH Immediately Dangerous to Life or Health

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Other Information
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Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls	Showers
	Eyewash stations
	Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	Tight sealing safety goggles.
Skin and body protection	No special technical protective measures are necessary.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

AppearanceNo information availableOdorColorNo information availableOdor threshold	
Property pHValuesRemarks • MethodpHNo information availableMelting point/freezing pointNo information availableBoiling point / boiling range>= 111 °C / 231 °FFlash point39 °C / 102 °FEvaporation rateNo information availableFlammability (solid, gas)No information availableFlammability Limit in AirUpper flammability limit:Upper flammability limit:No information availableLower flammability limit:No information availableVapor pressureNo information availableVapor densityNo information availableSpecific Gravity1.21Water solubilityNo information availablePartition coefficientNo information availableAutoignition temperatureNo information availablePartition temperatureNo information availableNo information availableNo information availablePartition temperatureNo information availableDynamic viscosityNo information availableNo information availableNo information availableKinematic viscosityNo information availableDynamic viscosityNo information availableDynamic viscosityNo information availableDynamic viscosityNo information availableOxidizing propertiesNo information availableNo information availableNo information available	

Other Information

Softening point Molecular weight VOC Content (%) Density Bulk density Percent solids by weight Percent volatile by weight Percent solids by volume Actual VOC (lbs/gal) Actual VOC (grams/liter) EPA VOC (grams/liter)	No information available No information available No information available 10.05 lbs/gal No information available 69.9% 30.1% 53.5% 3 362.7 3 362.7
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EPA VOC (lb/gal solids)	5.7

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Chlorinated compounds.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available
Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Solvent Naphtha, Medium Aliphatic 64742-88-7	> 5000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	> 5.28 mg/L (Rat)4 h
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Xylene 1330-20-7	= 3500 mg/kg (Rat)	> 1700 mg/kg (Rabbit)> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat)4 h = 5000 ppm (Rat)4 h
Ethyl Benzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.2 mg/L (Rat)4 h
Crystalline Silica 14808-60-7	= 500 mg/kg(Rat)	-	-
Methyl Ethyl Ketoxime 96-29-7	= 930 mg/kg (Rat)	= 0.2 mg/kg (Rabbit)	= 20 mg/L (Rat)4 h

Information on toxicological effects

Symptoms

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization Germ cell mutagenicity Carcinogenicity	No informati	ion available. ion available. ion available.		
Chemical Name	ACGIH	IARC	NTP	OSHA
Talc (powder) 14807-96-6	-	Group 3	-	-
Titanium dioxide 13463-67-7	-	Group 2B	-	Х
Xylene 1330-20-7	-	Group 3	-	-
Ethyl Benzene 100-41-4	A3	Group 2B	-	Х
Crystalline Silica 14808-60-7	A2	Group 1	Known	Х
Group 1 - Carcinogenic to Group 2B - Possibly Carc Group 3 - Not classifiable NTP (National Toxicolo Known - Known Carcinog OSHA (Occupational Sa X - Present	cinogenic to Humans e as a human carcinogen gy Program) gen	ation of the US Department c	of Labor)	
Reproductive toxicity No information available. STOT - single exposure No information available. STOT - repeated exposure No information available. Chronic toxicity No information available. Ethylbenzene has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respirate system, thyroid, testicles, and pituitary glands.			ed or repeated e kidneys, liver, respiratory	
Target Organ Effects Aspiration hazard	 ts Central nervous system, Central Vascular System (CVS), Eyes, kidney, lungs, Respiratory system, Skin. No information available. 			iuney, iunys, respiratory

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT.

Ecotoxicity

36.1% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Solvent Naphtha, Medium Aliphatic 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	100: 48 h Daphnia magna mg/L EC50
Talc (powder) 14807-96-6	-	100: 96 h Brachydanio rerio g/L LC50 semi-static	-

× 1			
Xylene	-	13.4: 96 h Pimephales promelas	3.82: 48 h water flea mg/L EC50
1330-20-7		mg/L LC50 flow-through 2.661 -	0.6: 48 h Gammarus lacustris mg/L
		4.093: 96 h Oncorhynchus mykiss	LC50
		mg/L LC50 static 13.5 - 17.3: 96 h	
		Oncorhynchus mykiss mg/L LC50	
		13.1 - 16.5: 96 h Lepomis	
		macrochirus mg/L LC50	
		flow-through 19: 96 h Lepomis	
		macrochirus mg/L LC50 7.711 -	
		9.591: 96 h Lepomis macrochirus	
		mg/L LC50 static 23.53 - 29.97: 96	
		h Pimephales promelas mg/L LC50	
		static 780: 96 h Cyprinus carpio	
		mg/L LC50 semi-static 780: 96 h	
		Cyprinus carpio mg/L LC50 30.26 -	
		40.75: 96 h Poecilia reticulata mg/L	
		LC50 static	
Ethyl Benzene	4.6: 72 h Pseudokirchneriella	11.0 - 18.0: 96 h Oncorhynchus	1.8 - 2.4: 48 h Daphnia magna mg/L
100-41-4	subcapitata mg/L EC50 438: 96 h	mykiss mg/L LC50 static 4.2: 96 h	EĊ50
	Pseudokirchneriella subcapitata	Oncorhynchus mykiss mg/L LC50	
	mg/L EC50 2.6 - 11.3: 72 h	semi-static 7.55 - 11: 96 h	
	Pseudokirchneriella subcapitata	Pimephales promelas mg/L LC50	
	mg/L EC50 static 1.7 - 7.6: 96 h	flow-through 32: 96 h Lepomis	
	Pseudokirchneriella subcapitata	macrochirus mg/L LC50 static 9.1 -	
	mg/L EC50 static	15.6: 96 h Pimephales promelas	
	-	mg/L LC50 static 9.6: 96 h Poecilia	
		reticulata mg/L LC50 static	
Methyl Ethyl Ketoxime	83: 72 h Desmodesmus subspicatus	777 - 914: 96 h Pimephales	750: 48 h Daphnia magna mg/L
96-29-7	mg/L EC50	promelas mg/L LC50 flow-through	EC50
	, v	760: 96 h Poecilia reticulata mg/L	
		LC50 static 320 - 1000: 96 h	
		Leuciscus idus mg/L LC50 static	

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Partition coefficient
Xylene 1330-20-7	2.77 - 3.15
Ethyl Benzene 100-41-4	3.118
Methyl Ethyl Ketoxime 96-29-7	0.65

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

US EPA Waste Number

D001 U239

Do not reuse container.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Xylene 1330-20-7	-	Included in waste stream: F039	-	U239
Ethyl Benzene 100-41-4	-	Included in waste stream: F039	-	-

Marine pollutant

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Xylene	Toxic
1330-20-7	Ignitable
Ethyl Benzene	Toxic
100-41-4	Ignitable

14. TRANSPORT INFORMATION

DOT

Not regulated

This product contains a chemical which is listed as a marine pollutant according to DOT.

15. REGULATORY INFORMATION

International Inventories	
TSCA	Complies
DSL/NDSL	Complies *
EINECS/ELINCS	Complies *
ENCS	Does not comply *
IECSC	Complies *
KECL	Complies *
PICCS	Does not comply *
AICS	Does not comply *

* This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Xylene - 1330-20-7	1.0
Ethyl Benzene - 100-41-4	0.1

SARA 311/312 Hazard Categories

Chronic Health Hazard Ye	s
Fire hazard Ye	S
Sudden release of pressure hazard No	,
Reactive Hazard No	,

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene 1330-20-7	100 lb	-	-	Х
Ethyl Benzene 100-41-4	1000 lb	Х	Х	Х

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Xylene	100 lb	-	RQ 100 lb final RQ
1330-20-7			RQ 45.4 kg final RQ
Ethyl Benzene	1000 lb	-	RQ 1000 lb final RQ
100-41-4			RQ 454 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65	
Titanium dioxide - 13463-67-7	Carcinogen	
Ethyl Benzene - 100-41-4	Carcinogen	
Crystalline Silica - 14808-60-7	Carcinogen	

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Calcium carbonate 1317-65-3	X	X	X
Solvent Naphtha, Medium Aliphatic 64742-88-7	Х	-	-
Stoddard Solvent 8052-41-3	Х	X	Х
Talc (powder) 14807-96-6	Х	Х	Х
Titanium dioxide 13463-67-7	Х	X	Х
Xylene 1330-20-7	Х	X	Х
Ethyl Benzene 100-41-4	Х	X	Х
Crystalline Silica 14808-60-7	Х	X	Х
Zinc 2-ethylhexanoic acid 136-53-8	Х	-	Х
Propylene Glycol Methyl Ether 107-98-2	Х	X	Х
Cobalt 2-ethylhexanoate 136-52-7	Х	-	Х
Diethylene Glycol Butyl Ether 112-34-5	Х	-	Х

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Hazardous air pollutants (HAPS) content

LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 'National Emission Standards for Hazardous Air Pollutants':

Chemical Name	Weight % of HAPS in Product	Pounds HAPS / Gal Product

	Xylene 1330-20-7		1.39%	0.14
16. OTHER INI	FORMATION, INCL	UDING DATE OF P	REPARATION OF THE	LAST REVISION
<u>NFPA</u>	Health hazards 2	Flammability 2	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 2*	Flammability 2	Physical hazards 0	Personal protection X
Chronic Hazard Star Le	egend *= Chron	nic Health Hazard		
date of its publication.	The information given	Sheet is correct to the b is designed only as a g	est of our knowledge, info uidance for safe handling, arranty or quality specificat	use, processing, storage,

date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.

End of Safety Data Sheet