MATERIAL SAFETY DATA SHEET

STANLEY TOOLS - EAGLE SQUARE PLANT
Shaftsbury, Vermont 05262
Phone (802) 442-8103
Fax (802) 447-3516

REVISED May 21, 1997

PRODUCT IDENTIFICATION Refill Chalk Blue

STANLEY PART NUMBERS 9L47403R, 9L47803R, 9N47103E, 9N47105E, 9N47403E, 9N47502R, 9N47803E, 9N47917E, 9N47935E

COMPONENT MATERIALS

This material is composed of a mixture of Calcium Carbonate and a coloring pigment. The Calcium Carbonate is at least eighty five percent (85%) by weight.

The Calcium Carbonate is supplied by:

Specialty Minerals Inc.
The Chrysler Building
405 Lexington Avenue
New York NY 10174-1901

The trade name is VICRON 41-8 FG

The Pigment is supplied by:

Ferro Corporation
P.O. Box 6550
Cleveland, Ohio 44101

The pigment trade name is ULTRAMARINE BLUE

The pigment designation is Blue 29

Copies of each MSDS for the above mentioned material are attached and are part of this MSDS.

This cover sheet and the attached MSDS's are designed to meet requirements under the OSHA Hazard Communication Standard (29 CFR 1910.1200) and SARA Title III Section 313.

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME
LIMESTONE

TRADE NAME
VICRON* 41-8 FG

CHEMICAL NAME
Calcium Carbonate

PRODUCT USE
Food Preparation

CHEMICAL FAMILY
Calcium Compound

CHEMICAL FORMULA
$CaCO_3$

CAS #
1317-65-3

MANUFACTURER'S NAME
Specialty Minerals Inc.

ADDRESS
The Chrysler Building
405 Lexington Avenue
New York, NY 10174-1901

EMERGENCY CONTACT
Mike Larson

EMERGENCY TELEPHONE
(610) 250-30[illegible]

EPA HAZARD CLASSES

IMMEDIATE HEALTH	1	DELAYED HEALTH	1
FIRE	0	PRESSURE	0
REACTIVE	0		

HAZARD RATING	HMIS		
HEALTH	1	FLAMMABILITY	0
REACTIVITY	0	OTHER	E

SIMILAR PRODUCTS
Vicron 15-15, Vicron 25-11, Vicron 31-6, Vicron 41-8, Vicron 10-21, Vicron 200, and Vicron 45-3

TRADEMARK INFORMATION
*Trademark of Minerals Technologies Inc., New York, New York. Specialty Minerals Inc. is a subsidiary of Minerals Technologies Inc.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	% wt/wt	CAS#
Limestone	95.0 - 98.0	1317-65-3
Quartz	0.1 - 1.0	14808-60-7

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Dust may cause mechanical irritation to eyes and respiratory tract.

INHALATION ACUTE EXPOSURE EFFECTS
Inhalation of dust may cause sneezing, coughing, and nose irritation.

INHALATION CHRONIC EXPOSURE EFFECTS
This product contains small amounts of crystalline silica. Long-term exposure to crystalline silica causes silicosis, a form of pulmonary fibrosis. Continued exposure to crystalline silica can lead to cardiopulmonary impairment. Symptoms are usually delayed (10 years or more). Crystalline silica has been reviewed by IARC. IARC found limited evidence for carcinogenicity of crystalline silica in humans and sufficient evidence in experimental animals.

SECTION 3. HAZARDS IDENTIFICATION (CONTINUED)

SKIN CONTACT ACUTE EXPOSURE EFFECTS
The abrasiveness of the material may cause skin irritation.

EYE CONTACT ACUTE EXPOSURE EFFECTS
Abrasion may cause eye irritation.

INGESTION ACUTE EXPOSURE EFFECTS
May cause mild irritation of the gastrointestinal tract.

MEDICAL CONDITIONS AGGRAVATED
Pre-existing chronic respiratory, skin, or eye diseases.

SYMPTOMS
Inhalation: Excessive sneezing or coughing.
Skin Contact: Dryness and/or mild irritation.
Eye Contact: Mild irritation.
Ingestion: Mild irritation.

PRIMARY ROUTE OF EXPOSURE
Inhalation, ingestion, skin contact, eye contact.

TARGET ORGANS
Eyes, Skin, and Respiratory Tract

CARCINOGENICITY
IARC ....YES OSHA ....NO NTP ...YES ACGIH ....NO

SECTION 4. FIRST AID MEASURES

INHALATION
Remove exposed person to fresh air. If symptoms such as excessive sneezing or coughing develop, seek medical attention.

SKIN CONTACT
Wash from skin with mild soap and water.

EYE CONTACT
Flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

INGESTION
Ingestion should not cause significant health problems. If a large amount of this material is ingested, and the person is conscious, give large quantities of water to induce vomiting. Get medical attention.

NOTE TO PHYSICIAN
All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT
N/A F N/A C

FLASH METHOD
N/A

SECTION 5. FIRE FIGHTING MEASURES (CONTINUED)

UPPER EXPLOSION LIMIT
N/A

LOWER EXPLOSION LIMIT
N/A

AUTO IGNITION TEMPERATURE
N/A F N/A C

EXTINGUISHING METHOD
Material is non-combustible. Follow fire extinguishing procedures for surrounding combustibles.

FIRE FIGHTING PROCEDURES
Material is non-combustible. Follow fire fighting procedures for surrounding materials.

FIRE AND EXPLOSION HAZARDS
Material is non-combustible and is not an explosive hazard.

HAZARDOUS PRODUCTS/COMBUSTION
None known.

NFPA HEALTH RATING 1
NFPA FLAMMABILITY 0
NFPA REACTIVITY 0
NFPA OTHER

SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEAN-UP
Provide adequate ventilation. Cleanup personnel should use protective equipment to reduce eye contact, inhalation of dust and prolonged skin contact. Use vacuum suction with HEPA filters to clean up spilled material. Use wet sweeping or a dust suppressant where sweeping is necessary. Personal safety, handling, and exposure recommendations described elsewhere in this data sheet apply to exposure during clean up of spilled material and must be followed.

SECTION 7. HANDLING AND STORAGE

STORAGE
Store in a cool, dry area.

HANDLING
Avoid damaging container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION
Provide adequate exhaust ventilation to meet exposure limit requirements. An exhaust filter system may be required to avoid environmental contamination.

RESPIRATORY PROTECTION
When established airborne exposure limits are surpassed, wear NIOSH MSHA approved respiratory equipment. Determine the appropriate type equipment for specific applications by consulting the respirator manufacturer. Observe the respirator use limitations specified by NIOSH/MSHA or the manufacturer. In addition, respiratory protection programs must comply with 29 CFR 1910.134. Engineering or administrative controls should be implemented to reduce exposure.

SECTION 8. EXPOSURE CONTROLS PERSONAL PROTECTION (CONTINUED)

HAND PROTECTION
Leather or impervious gloves.

EYE PROTECTION
Safety glasses equipped with side shields or dust-tight goggles.

OTHER PROTECTION
Wear long-sleeve clothing to avoid skin contact.

EXPOSURE LIMITS/REGULATORY INFORMATION
(All Values Are In Units Of MG/M3)

SUBSTANCE DESCRIPTION	REG AGENCY	PEL	TLV	STEL	CEIL	REL
Limestone						
	OSHA	15.00	--	--	--	--
	MSHA	15.00	--	--	--	--
	ACGIH	--	10.00	--	--	--
	NIOSH	--	--	--	--	10.00
Quartz						
	OSHA	0.10	--	--	--	--
	MSHA	0.10	--	--	--	--
	ACGIH	--	0.10	--	--	--
	NIOSH	--	--	--	--	0.05

LEGEND:

EXPOSURE LIMIT DESCRIPTIONS

CEIL	CEILING EXP LIMIT - 15 MINUTES
PEL	PERMISSABLE EXP LIMIT-8 HR TWA
REL	RECOMMENDED EXP LIMIT-8 HR TWA
STEL	SHORT TERM EXP LIMIT-15 MINUTE
TLV	THRESHOLD LIMIT VALUE-8 HR TWA

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY
2.71
Dry Product

EVAPORATION RATE
N/A

VOLATILE %
N/A

pH
N/A

APPEARANCE & ODOR
White powder, no odor

PRODUCT STATE
Solid

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES
Reacts with acid to liberate carbon dioxide gas.

SECTION 10. STABILITY AND REACTIVITY (CONTINUED)

DECOMPOSITION
Thermal oxidative decomposition of dolomitic limestone can produce dolomitic quicklime.

POLYMERIZATION
Hazardous polymerization will not occur.

CONDITIONS TO AVOID
Avoid excessive dust generation and contact with acids and other incompatibles.

STABILITY
Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

INHALATION EFFECTS
None known.

DERMAL EFFECTS
None known.

EYE EFFECTS
None known.

INGESTION EFFECTS
None known.

OTHER EFFECTS
None known.

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
No information is currently available on this material.

DISTRIBUTION
No information is currently available on this material.

CHEMICAL FATE
No information is currently available on this material.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL
If this material becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 2 1, since it does not have the characteristics of Subpart C, nor is it listed under Subpart D. State or local hazardous waste regulations may apply if they are different from the Federal regulations. The user should be aware that combining this material with another may alter this classification.

SECTION 14. TRANSPORT INFORMATION

DOT CLASS
Not regulated by U.S. Department of Transportation (DOT) or any other known transportation agencies. For transportation emergencies call CHEMTREC 24 hour information Service at 1-800-424-9300.

SECTION 14. TRANSPORT INFORMATION (CONTINUED)

DOT SHIPPING NAME
Calcium carbonate.

DOT LABEL
Not required.

PACKING GROUP
Not required.

UN REGISTER
Not applicable.

ADDITIONAL DOT REQUIREMENTS
None.

IMO CLASS
Not applicable.

IMO LABEL
Not required.

SECTION 15. REGULATORY INFORMATION

REGULATORY LISTINGS REVIEWED
Each component/ingredient of this product has been reviewed against the following regulatory listings:
CERCLA/SARA Section 302 Extremely Hazardous Substance List
CERCLA/SARA Section 304 Hazardous Substance/ Q List
CERCLA/SARA Section 313 Toxic Chemical List
RCRA Toxicity Characteristic (D), F, and U Lists
TSCA Inventory of Chemical Substances List
CAAA (1990) Hazardous Air Contaminants List
Canadian Domestic Substances List
Canadian Non-Domestic Substances List
California Cancer, Developmental Toxicity, and Reproductive Lists
New Jersey RTK, Special Hazardous Substance, and Environmental Hazardous Substance Lists
Pennsylvania RTK and Special Hazardous Substance List
Michigan Critical Substance List

Component Limestone is included on the following listings:

Environmental List		Threshold Planning Qty	Reportable Quantity	Unit of Measure
TSCA	TSCA HAZARDOUS SUBSTANCES	--	--	--
NDSL	NON-DOMESTIC SUBST LIST-CANADA	--	--	

Component Quartz is included on the following listings:

Environmental List		Threshold Planning Qty	Reportable Quantity	Unit of Measure
TSCA	TSCA HAZARDOUS SUBSTANCES	--	--	--
DSL	DOMESTIC SUBST. LIST CANADA	--	--	

SECTION 15. REGULATORY INFORMATION (CONTINUED)

OSHA HAZ. COMMUNICATION STATUS
This product is considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

ASBESTIFORM MINERAL CONTENT
This product does not contain asbestiform minerals.

TSCA STATUS
All ingredients in this product are either naturally occurring an exempt from reporting or are included in EPA's Toxic Substance Control Act Inventory of Chemical Substances.

SARA 311/312 HAZARD CLASS
This product contains substances regulated under 29 CFR 1910.1200 (OSHA Hazard Communication) as Immediate (Acute) Health Hazards.

NAFTA TARIFF CLASSIFICATION
Calcium Carbonate (both limestone and PCC) - 2836.50

FDA STATUS
Limestone - "Generally Recognized As Safe" (GRAS) (21 CFR 184.1440 for limestone)

HEAVY METAL RESTRICTIONS
(CONEG Model Legislation) - There are no Cadmium, Hexavalent Chromium, Lead, or Mercury additives. These products incidentally contain only trace amounts of these metals, far below the 100 ppm threshold level.

NATIONAL SANITATION FOUNDATION
This product has been reviewed and certified by the National Sanitation Foundation for use in direct contact with drinking water.

KOSHER CERTIFICATION
This product is certified to be kosher.

INTERNATIONAL CHEMICAL LISTS
Substances contained in this product are listed in the following International Chemical Listings:
ACOIN (Australia)
MITI (Japan)
LECS (Korea)
EINECS (Europe)

CAL. PROPOSITION 65 STATUS
This product contains extremely small but detectable amounts of substances regulated under California's Safe Drinking Water and Toxic Enforcement Act (Proposition 65).

CLEAN AIR ACT COMPONENTS
This product does not contain detectable amounts of formaldehyde. This product was also tested and does not contain organic volatile impurities. Specifically, the following substances were analyzed and not detectable: benzene, chloroform, 1,4 dioxane, ethylene dioxide, methylene chloride, and trichloroethylene. This product does not contain nor has it come into contact with ozone depleting chemicals. Furthermore, no ozone depleting chemicals were used in the manufacturing process (EPA's 1990 Clean Air Act Amendments, Section 611).

WHMIS CLASSIFICATION
Class D, Division 2, Subdivision A

SECTION 16. OTHER INFORMATION

OBSOLESCENCE DATE
3/03/2000

SECTION 16. OTHER INFORMATION (CONTINUED

ADDITIONAL PRODUCT INFORMATION
For additional product information on lime and limestone products, please call 1 800-801-1031.

DISCLAIMER OF WARRANTY
The data and recommendations presented herein are based upon a review of Specialty Minerals' files, published MSDS's, and standard toxicological reference sources. Specialty Minerals Inc. makes no guarantee or warranty, either expressed or implied as to the accuracy or completeness of these data and recommendations.

END OF MSDS ID: VICRON 41-8 FG
THIS MSDS CONSISTS OF:
8 PAGES

SAFETY DATA SHEET

Revision of 07/27/95

Ferro Corporation Color Division
P.O.Box 6550
Cleveland, Ohio 44101
PH:(216)641-8580 FAX:(216)641-8831

EP-37, EP-37S, EP-62, EP-62S, EX-70

ULTRAMARINE BLUE

Emergency Phone : (216)641-5324

1. Identification of the substance/preparation and the company/undertaking

2. Composition/Information on ingredients

CAS NUMBER: 57455-37-5

CHEMICAL NAME OF THE SUBSTANCE: Blue 29

CHEMICAL FORMULA: Na6Al6Si6O24S4
CHEMICAL NAME: Sodium Alumino Sulfosilicate
CHEMICAL FAMILY: Inorganic Pigment
C.I. NUMBER: 77007
This product was manufactured by Nubiola of Spain for the Ferro Corporation

3. Hazards identification

EMERGENCY OVERVIEW: An inorganic powder that poses little or no immediate hazard. It will not burn in a fire. Repeated or prolonged breathing of any dust may cause lung damage.

ROUTES OF ENTRY:
* Inhalation;
* Ingestion

INHALATION: Dust from the product may cause irritation of the respiratory system, nausea, or a metallic taste in the mouth.

INGESTION: The product has low solubility in body fluids and has low acute toxicity. Ingesting small amounts is unlikely to produce any severe health risks.

SKIN & EYE CONTACT: May irritate eyes and skin. Acts as nuisance dust.

MEDICAL CONDITIONS: Some respiratory and skin disorders may be aggravated by exposure to this compound.

CHRONIC EXPOSURE: Prolonged exposure to dust may lead to pulmonary problems.

NFPA HAZARD CLASS: Health: 1* Fire: 0 Reactivity: 0

This pigment is formed by high temperature calcination. Therefore, it does not necessarily have any of the properties of its component oxides or metals.

4. First aid measures

INHALATION: Move to fresh air.

INGESTION: For excessive ingestion, drink water or milk. Call a physician. Never give anything by mouth to an unconscious person.

EYE CONTACT: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

SKIN CONTACT: Wash off immediately with soap and plenty of water.

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5. Fire-fighting measures

EXTINGUISHING MEDIA: * ABC Dry Chemical, or
* Water

SPECIAL PROCEDURES: While this material will not burn, it may undergo a chemical change during a fire. The material may give off heat and toxic, irritating sulfur dioxide gas. Therefore, suitable breathing apparatus should be worn by firefighters.

UNUSUAL FIRE HAZARDS No unusual fire or explosion hazards exist.

NFPA HAZARD CLASS: Health: 1 Fire: 0 Reactivity: 0

6. Accidental release measures

Avoid dusting. Uncontaminated material may be scooped up for use. If contaminated, scoop or vacuum into a receptacle for disposal. Certain spills may require National Response Center (800-424-8802) notification.

7. Handling and storage

Protect containers against physical damage.
Store in a dry area away from feed and food products.
Wash thoroughly after handling.

8. Exposure controls / personal protection

EXPOSURE CONTROLS:
CAS #: None

Inert or Nuisance Dust
OSHA PEL: 15 mg/m3 (Total Dust); 5 mg/m3 (Respirable fraction)
ACGIH TLV: 10 mg/m3 (Inhalable Particulate); 3 mg/m3 (Respirable Particulate)

VENTILATION: Use local exhaust ventilation to keep air contaminants below their PEL's while using this product.

PERSONAL PROTECTION:
PROTECTIVE EQUIPMENT
*Safety glasses (to protect eyes against dust)
*Cotton work gloves
*Protective clothing, such as, but not limited to coveralls, smocks, shoes, and/or hats

RESPIRATORY: Use a NIOSH approved respirator for dust.

WORK PRACTICES:
Avoid making dust.
Do not breath or eat dust.
Use only with adequate ventilation.
Wash thoroughly before eating, drinking, smoking, or applying cosmetics.

9. Physical and chemical properties

Aggregation :	Not Applicable	Colour :	Blue
Odour :	Odorless	pH (at conc.) :	Not Available
Boiling Point :	Not Applicable	Melting Point :	Not Available
Flash Point :	Not Applicable	Flammability :	Does not Burn
Autoignition :	Not Applicable	Explosivity :	Not Applicable
Oxydation :	Not Applicable	Vapour Pressure :	Not Available
Density :	2.1-2.5	Solubility (water) :	Negligible
Solubility (others) :	Not Available		

Form : Powder.

Ferro Corporation ≡ Color Division
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10. Stability and reactivity

STABILITY: Stable at normal conditions

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY: None expected

BY-PRODUCTS: This compound may react with acids to generate volatile, toxic, flammable hydrogen sulfide.

CONDITIONS TO AVOID: Avoid contact with acids.

11. Toxicological information

CARCINOGENICITY NTP: NO IARC MONOGRAPH: NO OSHA REGULATED: NO

LD50/oral/rat : >5g/kg est

LD50/derm./rat : N/A

LC50/inh/1h/rat : N/A

12. Ecological information

Ecological injuries are not known or expected under normal use.

13. Disposal considerations

RCRA INFORMATION: This material does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity. It is not listed in 40 CFR 261.33. Contact the Regulatory Specialist in the Color Division R&D Laboratory for any Toxicity Characteristic Leaching Procedure (TCLP) data.

14. Transport information

DOT: Not regulated.

IATA: Not regulated.

CERCLA RQ: None

15. Regulatory information

SARA TITLE III: This pigment is not reportable under SARA Title III, Section 313.

TSCA: This product and/or its component(s) are listed on the Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
This substance is not subject to Section 12(b) of TSCA (Export Notification).

FDA APPROVAL: Ultramarines are listed FDA in 21 CFR parts 73.2775, 177.2600 (vi), and 178.3297.

Ferro Corporation Color Division
P.O.Box 6550
Cleveland, Ohio 44101
PH:(216)641-8580 FAX:(216)641-8831

TRAMARINE BLUE

Other information

KEY:

ACGIH = American Conference of Governmental Industrial Hygenists
OSHA = Occupational Safety and Health Administration
TLV = Threshold Limit Value
PEL = Permissable Exposure Limit
(C) = Ceiling
mppcf = Millions of particles per cubic foot of air
STEL = Short-Term Exposure Limit
N/A = Not Available
est = estimated

DISCLAIMER:

Judgement as to the suitability of information herein or to the purchaser's purposes are the purchaser's responsibility. Reasonable care has been taken in the preparation of this information, but FERRO EXTENDS NO WARRANTIES, MAKES NO REPRESENTATIONS AND ASSUMES NO RESPONSIBILITY OF THIS INFORMATION FOR ANY PURCHASER'S USE OR FOR ANY CONSEQUENCES OF ITS USE.

REVISIONS:

This MSDS has been revised in the following section(s):

*Exposure Controls/Personal Protection