






SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2125	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	DURA-GUARD	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Polyurethane Alkyd Floor Enamel	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Flam. Liq. 3 H226 Flammable liquid and vapor. Skin Sens. 1 H317 May cause an allergic skin reaction. Muta. 1B H340 May cause genetic defects. Carc. 1B H350 May cause cancer. Repr. 2 H361 Suspected of damaging fertility or the unborn child. Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.	SIGNAL WORD: DANGER	SYMBOL:			
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HAZARD-DETERMINING COMPONENTS OF LABELING:

octamethylcyclotetrasiloxane
Distillates (petroleum), hydrotreated light
Carbon black
Naphtha (petroleum), hydrotreated heavy
Quartz (SiO₂)
2-Ethylhexanoic Acid, Zirconium Salt
2-butanone oxime

HAZARD STATEMENTS:

Flammable liquid and vapor.
May cause an allergic skin reaction.
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child.
May be fatal if swallowed and enters airways.

PRECAUTIONARY STATEMENTS:

Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves/eye protection/face protection.
Ground/bond container and receiving equipment.
Keep container tightly closed.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
IF SWALLOWED: Immediately call a doctor.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
IF EXPOSED OR CONCERNED: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
Do NOT induce vomiting.
IN CASE OF FIRE: Use for extinction: CO₂, sand, extinguishing powder.

Storage:

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

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

Results of PBT and vPvB assessment:

PBT: Not applicable.
vPvB: Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT
calcium carbonate	471-34-1	30-40
Octamethylcyclotetrasiloxane	556-67-2	10-20
Distillates (petroleum), hydrotreated light	64742-47-8	10-20
Kaolin	1332-58-7	10-20
Carbon black	1333-86-4	1-2.5
2-Ethylhexanoic Acid, Zirconium Salt	22464-99-9	0.1-≤0.5

Quartz (SiO ₂)	14808-60-7	0.1-≤0.5
2-butanone oxime	96-29-7	0.1-≤0.5

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Rinse opened eye for several minutes under running water.

SKIN: Immediately rinse with water.

INHALATION:

Supply fresh air; consult doctor in case of complaints.

INGESTION:

Do not induce vomiting; immediately call for medical help. A person vomiting while lying on their back should be turned onto their side.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

No further relevant information available.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No further relevant information available.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

CO₂, sand, extinguishing powder. Do not use water.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Water with full jet.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No further relevant information available.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained respiratory protective device.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Wear protective equipment. Keep unprotected persons away.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Do not allow product to reach sewage system or any watercourse. Inform respective authorities in case of seepage into watercourse or sewage system. Do not allow to enter sewers/ surface or ground water.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Absorb with liquid-binding material (sand, diatomite, universal binder or other inert absorbent). Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

REFERENCE TO OTHER SECTIONS:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and Storage

SAFE HANDLING:

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES:

Keep ignition sources away. Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.

SAFE STORAGE & INCOMPATIBILITIES:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed receptacles.

SPECIFIC END USE(S):

No further relevant information available.

8. Exposure Controls / Personal Protection

Additional information about design of technical systems:

No further data; see item 7.

CONTROL PARAMETERS:

Components with limit values that require monitoring at the workplace:

471-34-1 calcium carbonate

PEL: Long-term value: 15* 5** mg/m³

*total dust **respirable fraction

REL: Long-term value: 10* 5** mg/m³

*total dust **respirable fraction

TLV: TLV withdrawn

1332-58-7 Kaolin

PEL Long-term value: 15* 5** mg/m³

*total dust **respirable fraction

REL Long-term value: 10* 5** mg/m³

*total dust **respirable fraction

TLV Long-term value: 2* mg/m³

E; as respirable fraction

ADDITIONAL INFORMATION:

The lists that were valid during the creation were used as basis.

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Tightly sealed goggles.

SKIN PROTECTION: The glove material has to be impermeable and resistant to the product the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

RESPIRATORY PROTECTION: In case of brief exposure or low concentrations, use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.

GENERAL HYGIENE CONSIDERATIONS: Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before eating, smoking, using the restroom and at the end of the workday. Store protective clothing separately.

9. Physical & Chemical Properties

Appearance:		Flammability(solid/gas):	Not applicable.
Form:	Liquid.	Ignition Temperature:	210 °C (410 °F)
Color:	High gloss gray.	Danger of Explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Odor:	Solvent like.	Explosive Limit-Lower (%):	0.5 Vol %
Odor Threshold:	Not determined.	Explosive Limit-Upper (%):	6.5 Vol %
pH:	Not applicable.	Vapor Density:	Heavier than air.
Melting Point/Range:	Undetermined.	Vapor Pressure 20°C(68°F):	2 hPa (2 mm Hg)
Boiling Point/Range:	> 158°C (> 316°F)	Relative Density:	Not determined.
Solids Content:	64.3%	Solubility (water):	Not miscible or difficult to mix.
Flash Point:	43 °C (109°F)	Auto-Ignition Temperature:	Product is not self-igniting.
Evaporation Rate:	Slower than ether.	Decomposition Temperature:	Not determined.
Solvent Content:		Viscosity (kinematic):	Not determined.
Organic solvents:	35.7%	Viscosity (dynamic):	Not determined.
VOC Content:	18.6% / <250 g/l	Partition Coeff (n-octanol/water):	Not determined.
Density @20°C (68°F):	1.035 g/cm ³ (8.637 lbs/gal)		

10. Stability & Reactivity Information**THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED:**

No decomposition if used according to specifications.

POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reactions known.

INCOMPATIBLE MATERIALS:

Strong acids and alkalis, bleach, strong oxidizers.

CONDITIONS TO AVOID:

Do not store or use near sparks, flame or other ignition sources.

DECOMPOSITION PRODUCTS:

Burning may yield carbon monoxide, carbon dioxide, oxides of nitrogen, and various hydrocarbons.

11. Toxicological Information**ACUTE TOXICITY:**

LD/LC50 values that are relevant for classification:

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >3000 mg/kg (rab)

PRIMARY IRRITANT EFFECT:

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for reparations: Carcinogenic. The product can cause inheritable damage.

CARCINOGENIC CATEGORIES:

· **IARC (International Agency for Research on Cancer):**

1333-86-4 Carbon black 2B

14808-60-7 Quartz (SiO₂) 1

68955-83-9 Fatty Acids, C9-13-neo-, cobalt salts 2B

27253-31-2 Neodecanoic Acid, cobalt salt B

111-76-2 2-butoxyethanol 3

14464-46-1 cristobalite 1

NTP (National Toxicology Program):

14808-60-7 Quartz (SiO₂) K

14464-46-1 cristobalite K

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients is listed.

12. Ecological Information

ACUTE TOXICITY:

No further relevant information available.

PERSISTENCE AND DEGRADABILITY:

No further relevant information available.

BIOACCUMULATIVE POTENTIAL:

No further relevant information available.

MOBILITY IN SOIL:

No further relevant information available.

GENERAL NOTES:

Water hazard class 2 (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

OTHER ADVERSE EFFECTS:

No further relevant information available.

13. Disposal Consideration

WASTE TREATMENT METHODS:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

UNCLEAN PACKAGES:

Disposal must be made according to official regulations.

14. Transportation Information

UN-NUMBER:

DOT, IMDG, IATA: UN1263

UN PROPER SHIPPING NAME:

DOT This material has a flash point at or above 38°C and may be reclassified as a combustible liquid. A combustible liquid in non-bulk packaging (≤450 liters; ≤119 gallons) is exempt from the DOT regulation when transported by ground. Paint

IMDG, IATA: PAINT

TRANSPORT HAZARD CLASS(es):

DOT



Class: 3 Flammable liquids

This material has a flash point at or above 38°C and may be reclassified as a combustible liquid. A combustible liquid in nonbulk packaging (≤450 liters; ≤119 gallons) is exempt from the DOT regulation when transported by ground.

Label: 3

IMDG, IATA



Class: 3 Flammable liquids

Label: 3

PACKING GROUP:

DOT, IMDG, IATA: III

ENVIRONMENTAL HAZARDS:

Marine pollutant: No.

SPECIAL PRECAUTIONS FOR USER:

Warning: Flammable liquids

Danger code (Kemler): 30

EMS Number: F-E, S-E

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 & THE IBC CODE:

Not applicable.

TRANSPORT/ADDITIONAL INFORMATION:

DOT

Quantity limitations: On passenger aircraft/rail: 60 L
On cargo aircraft only: 220 L

IMDG: Limited quantities (LQ): 5L

Excepted quantities (EQ): Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "MODEL REGULATION:"

UN1263, Paint, 3, III

15. Regulatory Information

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE: SARA:

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

68955-83-9 Fatty Acids, C9-13-neo-, cobalt salts
71-36-3 butan-1-ol
27253-31-2 Neodecanoic Acid,, cobalt salt
111-76-2 2-butoxyethanol
111-77-3 2-(2-methoxyethoxy)ethanol

TSCA (Toxic Substances Control Act): All ingredients are listed.

PROPOSITION 65:

Chemicals known to cause cancer:

1333-86-4 Carbon black
14808-60-7 Quartz (SiO₂)
14464-46-1 cristobalite

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

CARCINOGENIC CATEGORIES:

EPA (Environmental Protection Agency)

71-36-3 butan-1-ol D
111-76-2 2-butoxyethanol NL

TLV (Threshold Limit Value established by ACGIH)

1332-58-7 Kaolin A4
1333-86-4 Carbon black A4
14808-60-7 Quartz (SiO₂) A4
111-76-2 2-butoxyethanol A3
14464-46-1 cristobalite A2

NIOSH-Ca (National Institute for Occupational Safety and Health)

1333-86-4 Carbon black
14808-60-7 Quartz (SiO₂)
14464-46-1 cristobalite

16. Other Information

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Muta. 1B: Germ cell mutagenicity, Hazard Category 1B

Carc. 1A: Carcinogenicity, Hazard Category 1A

Repr. 2: Reproductive toxicity, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.