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Supercedes:not applicable

SAFETY DATA SHEET

1524 PRO FLEX CLEAR BLUE PART B

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
1524 PRO FLEX BASE COAT PART B

1.2 Relevant identified uses of the substance or mixture and uses advised against
Primer

1.3 Details of the supplier of the safety data sheet
Company Name: Pro Guard Coatings, Inc.
Address: One Industrial Way
Address: Denver, PA 17517 USA
Address
Tel: 717-336-7900
Fax. **717-336-7320**
E mail:

1.4 Emergency telephone number

In case of emergency Tel. Chemtrec 800-424-9300

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification in accordance with the Dangerous Preparations Directive 1999/45/EC

C; R34
Xi; R42/R43
N; R52/53

Classification in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008

Skin Corr. 1B H314
Eye Dam. 1 H318.
Skin Sens. 1 H317
Resp. Sens. 1 H334
Aquatic Chronic 3 H412

2.2 Label elements

Labelling in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008

DANGER
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H412 Harmful to aquatic life with long lasting effects
P102 Keep out of reach of children.
P260 Do not breathe vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P303 + P361 + P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON Center or doctor/physician.
P501 Dispose of contents/container to hazardous waste

2.3 Other hazards
No physical hazards are anticipated.
Expected to be corrosive. Contains polyoxypropylenediamine, 4-chloro-α,α,α-trifluorotoluene, 3,6-dioxaoctamethylenediamineether which are considered to be sensitising and may cause an allergic reaction.
Contains components which are considered to be toxic to aquatic organisms. None of the components are considered to be Persistent, Bioaccumulative and Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB).

SECTION 3: Composition

3.1 Substances
Not applicable, product is a mixture.

3.2 Mixtures
A mixture of polymers, amines, and additives.

Name	CAS No.	Concentration % w/w	Classification Reg 1272/2008	Classification Dir 67/548/EEC
Polyoxypropylenediamine	9046-10-0	10-25	Asp. Tox. 1 H304 Skin Corr. 1C H314 Eye Dam. 1 H318 Aquatic Chronic 3 H412	Xn; R65 C; R34 R52/53
4-chloro-α,α,α-trifluorotoluene	98-56-6	10-25	Flam. Liq. 3 H226 Skin Sens. 1B H317 Aquatic Chronic 2 H411	R10 Xi; R43 N; R51/53
3,6-dioxaoctamethylenediamine	929-59-9	1-10	Acute Tox. 4 H302 Skin Corr. 1B H314 Skin Sens. 1 H317 Resp. Sens. 1 H334	Xn; R22 C; R34 XI; R42/43
2,4,6-Tri(dimethylaminomethyl) phenol	90-72-2	1-10	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Irrit. 2 H319	Xn; R22 Xi; R36/38

See section 16 for full description of R phrases and H statements.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

EYE CONTACT: Rinse thoroughly with water for 15 minutes, whilst gently holding the eyelids open. Obtain immediate medical attention.
INHALATION: Remove from exposure and keep warm and at rest. If breathing becomes difficult call a doctor. If breathing stops, begin artificial respiration and seek immediate medical attention.
SKIN CONTACT: Immediately remove contaminated clothing. Wash off with soap and running water. Seek medical attention. Wash contaminated clothing before re-use.
INGESTION: If swallowed, rinse mouth with water. Do NOT induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

EYES: Burns, redness, pain.
INHALATION: Irritation of the mouth, nose and throat, coughing. Chronic exposure may cause asthma.
INGESTION: Burns to the mouth and throat. Nausea, vomiting.
SKIN: Burns, redness, pain. Chronic exposure may result in allergic skin reactions.

4.3 Indication of any immediate medical attention and special treatments needed

Symptomatic treatment as required

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Small fires: Foam, CO_2, dry chemical
Large fires: Water fog, foam, CO_2, dry chemical

5.2 Special hazards arising from the substance or mixture

Decomposition products will include oxides of carbon and nitrogen, incomplete combustion products.

5.3 Advice for fire fighters

Prevent run-off from fire from entering water courses and sewers. Fire-fighters should wear chemical protective clothing and in enclosed spaces, positive pressure self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed containers.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all ignition sources and evacuate unnecessary personnel from the area. Ventilate the area if possible. Wear suitable protective clothing including chemical resistant gloves and coveralls. If vapour concentrations are high, respiratory protective equipment may be required. See section 8 for more information.

6.2 Environmental precautions

Prevent entry into sewers and watercourses. If product enters sewers or watercourses, inform the appropriate environmental authorities.

6.3 Methods and materials for containment and clearing up

Small spills: Remove all ignition sources. Absorb spillage in a non-combustible absorbent, e.g. sand or vermiculite, and place in a suitable container for disposal.

Large spills: Remove all ignition sources. Contain spill and cover if possible to reduce evaporation. Mix spillage with a suitable non-combustible absorbent, e.g. sand or earth, and place in a suitable container for disposal.

6.4 References to other sections

See sections 8 and 13 for further advice on protective clothing and disposal.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling
Avoid all contact with skin and eyes. Use only in well ventilated areas. Avoid contact with all ignition sources, including hot surfaces.

7.2 Conditions for safe storage, including any incompatibilities
Store in a well ventilated, bunded area, away from all ignition sources. Keep out of direct sunlight. Vapours are heavier than air and may accumulate in low lying areas and below ground areas such as ducts and sewers.

7.3 Specific end uses(s)
No industrial or sector specific guidance available.

SECTION 8. Exposure Controls/Personal Protection

8.1 Control parameters

Substance	8 hour exposure limit	15 minute exposure limit	Source, Type
2,6-Dimethylheptan-4-one	25 ppm 148 mg/m^3	-	EH40, 2011

8.2 Exposure controls

Engineering controls
Adequate ventilation should be provided so that exposure limits are not exceeded.

Respiratory protection
Use only in well ventilated area. If exposure levels are likely to exceed the OEL then suitable respiratory protection will be required.

Hand Protection
Wear suitable chemical resistant gloves recommended for use with corrosive amines. Nitrile or neoprene gloves may be suitable, but glove manufacturers' specifications should always be checked first. Change gloves in accordance with manufacturer recommendations. If gloves are damaged during use, remove immediately and wash hands before replacing with new gloves.

Eye protection
Wear goggles meeting the requirements of BS EN166 3, when handling this product.

Skin protection
Aprons or coveralls to prevent skin contact are recommended. These should be changed after use or if contaminated. Wash before re-use.

Environmental Exposure Controls
Take suitable measures to prevent entry into drains, sewers and watercourses.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Blue viscous liquid
Odour: Amine odour
Odour threshold: No data available
pH: Not applicable
Melting point: No data available
Boiling point: 138-270°C

Flashpoint:	42°C but does not sustain combustion
Evaporation rate:	Slower than ether
Flammability (gas, solid):	Not applicable
Upper/lower flammability limits	Not applicable
Vapour pressure:	No data available
Vapour density:	Heavier than air
Relative density:	1.1
Solubility in water:	Insoluble
Solubility in other solvents:	No data available
Partition coefficient (log Kow):	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	Not classified as explosive
Oxidising properties:	Not classified as oxidising.

9.2 Other information

VOC Content	61 g/l

SECTION 10: Stability and Reactivity

10.1 Reactivity
Not considered a reactive material.

10.2 Chemical stability
This material is stable under expected conditions of use.

10.3 Possibility of hazardous reactions
Hazardous polymerisation will not occur.

10.4 Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials
Strong oxidisers.

10.6 Hazardous decomposition products
Material does not decompose under normal conditions of use. See section 5 for fire decomposition products.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

(a) acute toxicity	Not expected to be acutely toxic, based on consideration of the components. Acute Toxicity Estimate (ATE) > 2000 mg/kg
(b) skin corrosion/irritation	Expected to be corrosive to skin, based on consideration of the components.
(c) serious eye damage/irritation	Expected to be corrosive to eyes, based on consideration of the components.
(d) respiratory/skin sensitisation	Expected to be sensitising, based on consideration of the components. Contains: 4-chloro-α,α,α-trifluorotoluene and 3,6-dioxaoctamethylenediamine.
(e) germ cell mutagenicity	Contains no components considered to be mutagenic above thresholds of concern.
(f) carcinogenicity	Contains no components considered to be carcinogenic above thresholds of concern.

(g) reproductive toxicity	Contains no components considered to be hazardous to reproduction above thresholds of concern.
(h) STOT-single exposure	Not expected to cause organ damage.
(i) STOT-repeated exposure	Not expected to cause organ damage from prolonged or repeated exposure.
(j) aspiration hazard	Not expected to be an aspiration hazard.

SECTION 12: Ecological Information

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

12.1 Toxicity

This product contains components which are considered to be toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Once cured the toxicity of the product is expected to decrease.

12.2 Persistence and degradability

This product is not expected to be readily biodegradable.

12.3 Bioaccumulative potential

This product is expected to have a low bioaccumulation potential.

12.4 Mobility in soil

Cured product is expected to be immobile.

12.5 Results of PBT and vPvB assessment

None of the components are known to be PBT or vPvB.

12.6 Other adverse effects

None known.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Recover and recycle product if possible. If recovery and recycling are not possible, dispose of by incineration.

Empty containers may contain flammable residues. Do not puncture, cut or grind. Empty containers should be disposed of as hazardous waste.

Disposal should be in accordance with local and national regulations.

SECTION 14: Transport Information

	ADR	IMDG	ICAO
14.1 UN Number	1760	1760	1760
14.2 UN Proper shipping name	Corrosive Liquid, N.O.S., (Polyoxypropylene diamine)	Corrosive Liquid, N.O.S., (Polyoxypropylene diamine)	Corrosive Liquid, N.O.S., (Polyoxypropylene diamine)
14.3 Transport hazard class(es)	8	8	8
14.4 Packing group	III	III	III
14.5 Environmental hazards	Not considered MP or EHS	Not considered MP or EHS	Not considered MP or EHS
14.6 Special precautions for user	HIN 80 Tunnel Code E	EmS F-A, S-B	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
All components are listed as existing substances in Europe

15.2 Chemical Safety Assessment
A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other Information

Revision information:
This is a new SDS.

List of Abbreviations used in this SDS:
CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008
DSD Dangerous Substances Directive 67/548/EEC
DPD Dangerous Preparations Directive 1999/45/EC
EC European Community/Commission
PBT Persistent, Bioaccumulative and Toxic
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006
vPvB very Persistent, very Bioaccumulative

References:
ECHA CHEM database
Suppliers' SDSs for component substances

Method used for classification of mixtures:
Ingredient based approaches

R Phrases and H Statements used in Section 3
R10 Flammable
R22 Harmful if swallowed
R34 Causes burns
R36/38 Irritating to eyes and skin
R42/43 May cause sensitization by inhalation and skin contact
R43 May cause sensitisation by skin contact
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 Harmful: may cause lung damage if swallowed

H226 Flammable liquid and vapour
H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways
H314 Causes severe skin burns and eye damage
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H319 Causes serious eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H411 Toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects

Training requirements for workers
No special requirements.