

Safety Data Sheet

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: Peelclear Top Coat Reducer

Product Code: QC.RB-1689

Intended/Recommended Use: INDUSTRIAL USE ONLY

Address: 27 North Market St. Suite 2 Mount Joy, PA 17552

For Product and all Non-Emergency Information call your local Peelclear contact point or contact us at: peelclear.com

Email: info@peelclear.com

Phone Number: For emergency only involving spill, leak, fire, exposure or accident call: +1 (717) 220-3111

2. HAZARDS IDENTIFICATION

GHS Ratings:

Flammable Liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin Corrosion/Irritation	2	Reversible adverse effects in dermal tissue, Draize score >= 2.3 < 4.0 or persistent inflammation
Serious Eye Damage/Eye Irritation	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Germ Cell Mutagenicity	1B	Known to produce heritable mutations in human germ cells. Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity.
Carcinogenicity	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity.
Aspiration Hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm2/s at 40° C.

GHS Hazards:

H225 Highly flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H319 Causes serious eye irritation
H340 May cause genetic defects
H350 May cause cancer

GHS Precautions:

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical/ventilating/lighting equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P264 Wash thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use personal protective equipment as required
P321 Specific treatment (see...on this label)
P331 Do NOT induce vomiting
P362 Take off contaminated clothing and wash before reuse
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352 If on skin: Wash with plenty of soap and water for 15 minutes
P303+P361+P353 If on skin (or hair): 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.
 P308+P313 IF exposed or concerned: Get medical advice/attention
 P332+P313 If skin irritation occurs: Get medical advice/attention
 P337+P313 If eye irritation persists: Get medical advice/attention
 P370+P378 In case of fire: Use ABC-powder, alcohol resistant foam, carbon dioxide (CO₂), dryextinguishing powder to extinguish
 P405 Store locked up
 P403+P235 Store in a well ventilated place. Keep cool
 P501 Dispose of contents/container to and unused product in accordance with existing federal, state and local government regulations

LABEL ELEMENTS
 GHS label elements



3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Component	CAS No.	Weight Concentration %
VM&P NAPHTHA low-boil	64742-89-8	30.00% - 40.00%
BUTANONE	78-93-3	30.00% - 40.00%
TOLUENE	108-88-3	20.00% - 30.00%
HEPTANE	142-82-5	1.00% - 5.00%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.
 There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4 . FIRST AID MEASURES

If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Eye Contact: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

Skin Contact: Gently wash with soap and water. If in skin/hair, remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Ingestion: If swallowed, immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

5 . FIRE FIGHTING MEASURES

Flash Point: -4 C (25 F)
 LEL: 1.00 UEL: 10.00

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation.

Fire Fighting Procedures: Wear fire/flame resistant/retardant clothing.
 Wear self contained respiratory protection.

6 . ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

For Non-Emergency Personal: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For Emergency Responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Small Spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large Spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7 . HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Protective Measures: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Special Precautions: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

Occupational Hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Storage Considerations: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
VM&P NAPHTHA low-boil 64742-89-8	Not Established	Not Established	Not Established

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
BUTANONE 78-93-3	PEL 590 mg/m ³ 200 ppm	STEL 300 ppm TWA 200 ppm	Not Established
TOLUENE 108-88-3	TWA: 200 STEL: 500 CEIL: 300 (ppm)	ACGIH TWA (ppm) 20 ppm ACGIH STEL (ppm) 20 ppm	Not Established
HEPTANE 142-82-5	OSHA Z-1 TWA 500 ppm, 2,000 mg/m ³ (b), OSHA Z-1-A TWA 400 ppm, 1,600 mg/m ³ OSHA Z-1-A STEL 500 ppm, 2,000 mg/m ³	ACGIH TWA 400 ppm ACGIH STEL 500 ppm	Not Established

Recommended Monitoring Procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate Engineering Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Ventilation: In case of inadequate ventilation wear respiratory protection.

PROTECTIVE MEASURES:

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection: Safety glasses with side shields

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

For prolonged or repeated handling, use the following type of gloves: Recommended: butyl rubber May be used: nitrile rubber, Chloroprene

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Respiratory Protection: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, airpurifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Contaminated Gear:

Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties based on formula calculations.

Vapor Density 3.21	Vapor Pressure: 15.2 kPa
Boiling Range: 80 to 150 °C, 175 to 302 °F	VOC by Volume 100.00
Specific Gravity (SG) 0.821	Formula Calc. Weight/ Gal 6.852
% Weight Solids 0.00	Total VOC lb/gal: 6.85
Total VOC lb/gal: 821	

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: In a fire, hazardous decomposition products may be produced.
Refer to protective measures listed in sections 7 and 8.

Incompatible Materials: No Data Available

Hazardous Decomposition Products: No Data Available
Hazardous polymerization will not occur.

11 . TOXICOLOGICAL INFORMATION

Mixture Toxicity

Oral Toxicity LC50: 2,919mg/L
Dermal Toxicity LC50: 3,759mg/L
Inhalation Toxicity LC50: 70mg/L

Component Toxicity

64742-89-8 VM&P NAPHTHA low-boil
Oral LD50: 5,000 mg/kg (RAT) Dermal LD50: 2,000 mg/kg (RABBIT)

78-93-3 BUTANONE
Oral LD50: 2,737 mg/kg (RAT)

108-88-3 TOLUENE
Oral LD50: 2,000 mg/kg (RAT) Inhalation LC50: 20 mg/L (RAT)

142-82-5 HEPTANE
Oral LD50: 1,670 mg/kg (RAT)

Routes of Entry:

Inhalation, Skin Contact, Eye Contact, Ingestion

Exposure to this material may affect the following organs:

CARCINOGEN:

CAS Number	Description	% Weight	Carcinogen Rating
108-88-3	TOLUENE	30%	TOLUENE:

Acute Toxicity:**Inhalation:** dizziness, breathing difficultly, headaches, and loss of coordination**Eye Contact:** severe irritation, tearing, redness and blurred vision**Skin Contact:** can dry and defat skin causing cracks, irritation and dermatitis**Ingestion:** can cause gastrointestinal irritation, vomiting, nausea, and diarrhea**Pre-Existing:** skin, eye and lung disorders may be aggravated. Personal susceptible to allergenic reaction should refrain from use**12 . ECOLOGICAL INFORMATION**

Prevent run-off to sewers, streams or other bodies of water. If run off occurs, notify proper authorities that spill has occurred.

Component Ecotoxicity

VM&P NAPHTHA low-boil

Ecotoxicity Components: 68410-97-9 / 64742-49-0 / 64742-89-8: Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 8.2mg/l Exposure time: 96h; Test Type: semi-static test; Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 4.5 mg/l Exposure time: 48 h: Toxicity to algae: EC50 (Pseudokirchneriella subcapitata (green algae)): 3.7; Exposure time: 96 hTest; Acute aquatic toxicity: Toxic to aquatic life. Chronic aquatic toxicity: Toxic to aquatic life with long lasting effects.

BUTANONE

Ecotoxicity in water (LC50): 3220 mg/l 96 hours [Fathead Minnow]. 1690 mg/l 96 hours [Bluegill]

TOLUENE

Ecotoxicity in water (LC50): 313 mg/l 48 hours [Daphnia (daphnia)]. 17 mg/l 24 hours (Fish (Blue Gill)). 13 mg/l 96 hours [Fish (Blue Gill)]. 56 mg/l 24 hours [Fish (Fathead minnow)]. 34 mg/l 96 hours [Fish (Fathead minnow)]. 56.8 ppm any hours [Fish(Goldfish)].

HEPTANE

Bioaccumulative potential: Product/ingredient name heptane 4.66 552 high; Toxicity heptane Acute LC50 375000 ug/l Fresh water Fish - Oreochromis mossambicus 96 hours; Product/ingredient name Species Result Exposure; Persistence and degradability: Soil/ water partition coefficient (KOC): Not available.

13 . DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Dispose of contaminated material in accordance with Local, State, and Federal Regulations

14 . TRANSPORT INFORMATION

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	FLAMMABLE LIQUIDS, NOS (TOLUENE, METHYL ETHYL KETONE)	1993	II	3

15. REGULATORY INFORMATION

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

EPA: (Environmental Protection Agency): HEPTANE HEPTANE

OSHA: Hazardous: No Data Available

EXEMPT No Data Available

California Prop. 65 Components:

WARNING! This product contains the following substances known to the State of California to cause cancer, birth defects, or other reproductive harm per the Safe Drinking Water and Toxic Enforcement Act of 1986

TOLUENE 108-88-3

Domestic Substance List (DSL): This Product is listed on the DSL inventory of Canada.

SARA 313 Components: The Following components are subject to reporting levels established by

SARA Title III, Section 313

BUTANONE 78-93-3

TOLUENE 108-88-3

TSCA: All components are listed or exempted

All Country Regulation Components Listed

EU Risk Phrases

Safety Phrase: No Data Available

16 . OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

HMIS & NFPA Hazard Rating Legend

* = Chronic Health Hazard

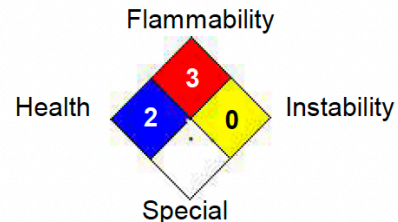
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



This information is provided without warranty. The information is believed to be correct. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

Revision 1.0

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