

Paracoat Reactivation Primer

Product Ref: (HSDSPC21-01250)
Issue No: 01-0120

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

1.1. Product identifier

Product name: Paracoat Reactivation Primer.

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

Identified uses: Liquid Primer.

Uses advised against: Uses other than those recommended.

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards: Flam. Liq. 2 - H225

Health hazards: Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H336 STOT RE 2 - H373

Environmental hazards: Not Classified

Human health: Contains non-volatile isocyanate. Heating may generate vapours which irritate the respiratory system. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Physicochemical: The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Labels elements

Pictogram



Signal word: Danger.

Hazard statements: H225 Highly flammable liquid and vapour.
H312+H332 Harmful in contact with skin or if inhaled.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary statements: EUH204 Contains isocyanates. May produce an allergic reaction.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.

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P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with national regulations.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Contains:

XYLENE, BUTANONE, ISOPHORONDIISOCYANATE HOMOPOLYMER

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

BUTANONE		30-60%
CAS Number: 78-93-3	EC Number: 201-159-0	REACH Registration Number: 0101-2119457290-43-0000
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT SE 3 - H336		
XYLENE		30-60%
CAS Number: 1330-20-7	EC Number: 215-535-7	REACH Registration Number: 01-2119488216-32-0030
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 STOT SE 3 - H335 STOT RE 2 - H373		
ISOPHORONDIISOCYANATE HOMOPOLYMER		1-5%
CAS Number: 53880-05-0		
Classification Skin Sens. 1 - H317 STOT SE 3 - H335		

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2-METHOXY-1-METHYLETHYL ACETATE		<1%
CAS Number: 108-65-6	EC Number: 203-603-9	REACH Registration Number: 01-2119475791-29-0001
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 STOT SE 3 - H335 STOT RE 2 - H373		

SATNNANE DIMETHYLBIS [(1-OXONEODECYLOXY)]		<1%
CAS Number: 68928-76-7	REACH Registration Number: 01-2120770324-57-0001	
Classification Acute Tox. 4 - H302 Repr. 2 - H361d STOT RE 1 - H372 Aquatic Chronic 4 - H413		

ETHYLBENZENE		<1%
CAS Number: 100-41-4	EC Number: 202-849-4	REACH Registration Number: 01-2119489370-35-0018
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304		

The full text for all hazard statements is displayed in Section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information:	Get medical attention if any discomfort continues.
Inhalation:	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion:	Rinse mouth thoroughly with water. Seek medical attention.
Skin contact:	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact:	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Seek medical attention immediately.

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4.2. Most important symptoms and effects, both acute and delayed

Inhalation:	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion:	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact:	Prolonged skin contact may cause redness and irritation.
Eye contact:	May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor:	No specific recommendations. If in doubt, seek medical attention promptly.
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5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards:	The product is flammable. Heating may generate flammable vapours. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m ³ . The product is highly flammable.
Hazardous combustion products:	Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting:	Control run-off water by containing and keeping it out of sewers and watercourses. Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.
Special protective equipment for firefighters:	Wear chemical protective suit.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:	Wear protective clothing as described in Section 8 of this safety data sheet.
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6.2. Environmental precautions

Environmental precautions spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up:	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.
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6.4. Reference to other sections

Reference to other sections: Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions: Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions: Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the original container.

Storage class: Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s): The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Work exposure limit for:

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m³(Sk)

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³ Sk

2-METHOXY-1-METHYLETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 274 mg/m³

(Sk) Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 548 mg/m³(Sk)

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³ Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

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BUTANONE (CAS: 78-93-3)	
Ingredient comments	WEL = Workplace Exposure Limits
Biological limit values	Short Term Value: 300ppm Long Term Value: 200ppm
DNEL	Consumer - Oral; Long term systemic effects: 31 mg/kg bw/day Consumer - Dermal; Long term systemic effects: 412 mg/kg bw/day Workers - Dermal; Long term systemic effects: 1161 mg/kg bw/day Consumer - Inhalation; Long term systemic effects: 106 mg/m ³ Workers - Inhalation; Long term systemic effects: 600 mg/m ³

BUTANONE (CAS: 78-93-3)	
PNEC	<ul style="list-style-type: none"> - Fresh water; 55.8 mg/l - Sediment (Freshwater); 284.7 mg/kg - Intermittent release; 55.8 mg/l - Sediment (Marinewater); 284.7 - Marine water; 55.8 mg/l - STP; 709 mg/l - Soil; 22.5 mg/kg

2-METHOXY-1-METHYLETHYL ACETATE (CAS: 108-65-6)	
PNEC	Workers - Dermal; Long term systemic effects: 153.5 mg/kg bw/day Workers - Inhalation; Long term systemic effects: 275 mg/m ³ General population - Dermal; Long term systemic effects: 54.8 mg/kg bw/day General population - Inhalation; Long term systemic effects: 33 mg/m ³ General population - Oral; Long term systemic effects: 1.67 mg/kg bw/day
PNEC	<ul style="list-style-type: none"> - Fresh water; 0.635 mg/l - Marine water; 0.0635 mg/l - Intermittent release; 6.35 mg/l - STP; 100 mg/l - Sediment; 3.29 mg/kg dry weight - Sediment (Marinewater); 0.329 mg/kg dry weight - Soil; 0.29 mg/kg dry weight

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8.2. Exposure controls

Protective equipment:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.



Appropriate engineering controls:	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection:	The following protection should be worn: Chemical splash goggles.
Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.
Other skin and body protection:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.
Hygiene measures:	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash contaminated clothing before reuse. Wash hands after handling. Eating, smoking and water fountains prohibited in immediate work area.
Respiratory protection:	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure the 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Coloured liquid.
Colour:	Various colours.
Odour:	Characteristic.
Odour threshold:	Not available.
pH:	Not available.
Melting point:	Not available.
Boiling point:	130-145° C.
Flash point:	-7 oC Estimated value.
Evaporation rate:	Not determined.
Evaporation factor:	Not available.
Flammability (solid, gas):	Not available.
Lower flammability / Explosive Limit:	1.1.
Upper flammability / Explosive Limit:	10.
Other flammability:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	0.87 @ 20° C.
Bulk density:	Not available.
Solubility:	Insoluble in water.
Partition coefficient:	Not available.
Auto-ignition temperature:	500° C.
Decomposition temperature:	Not available
Viscosity:	Kinematic viscosity > 20.5mm ² /s.
Explosive properties:	Not available.
Explosive under influence of a flame:	Not considered to be explosive.
Oxidizing properties:	N.A. /N.A.
Comments:	Information given is applicable to the product as supplied.

9.2. Other information

Other information:	No information required.
Refractive index:	Not available.
Particle size:	Not available.
Molecular weight:	Not available.
Volatility:	Not available.

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Saturation concentration: Not available.

Critical temperature: Not available.

10. STABILITY AND REACTIONS

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not applicable. Not relevant.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

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11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 4,761.9

Acute toxicity - dermal

ATE dermal (mg/kg) 1,689.71

Acute toxicity - inhalation

ATE inhalation (gases ppm) 15,952.38

ATE inhalation (vapours mg/l) 47.62

Toxicological information on ingredients.

BUTANONE - Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg):	2,000.0
Species:	Rat
ATE oral (mg/kg):	2,000.0
BUTANONE - Acute toxicity - dermal	
Acute toxicity oral (LD ₅₀ mg/l):	2,000.0
Species:	Rat
ATE inhalation (vapours mg/l):	2,000.0
BUTANONE - Acute toxicity - inhalation	
Acute toxicity oral (LD ₅₀ mg/l):	20.0
Species:	Rat
ATE inhalation (vapours mg/l):	20.0
XYLENE - Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg):	4,000.0
Species:	Rat
ATE oral (mg/kg):	4,000.0
XYLENE - Acute toxicity - dermal	
ATE dermal (mg/kg):	1,100.0
XYLENE - Acute toxicity - inhalation	
Acute toxicity inhalation (LC ₅₀ gases ppmV):	6,700.0
Species:	Rat
ATE inhalation (gases ppm):	6,700.0
Carcinogenicity	
IARC carcinogenicity:	IARC Group 3 Not classifiable as to its carcinogenicity to humans.

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2-METHOXY-1-METHYLETHYL ACETATE - Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg):	8,532.0
Species:	Rat
ATE oral (mg/kg):	8,532.0
2-METHOXY-1-METHYLETHYL ACETATE - Acute toxicity - dermal	
ATE dermal (LD ₅₀ mg/kg):	5,000.0
Species:	Rat
2-METHOXY-1-METHYLETHYL ACETATE - Acute toxicity - inhalation	
Acute toxicity inhalation (LC50 vapours mg/l):	35.7
Species:	Rat
Acute toxicity inhalation (LC ₅₀ dust/mist mg/l):	23.8
Species:	Rat
ATE inhalation (vapours mg/l):	35.7
ATE inhalation (dusts/mists mg/l):	23.8
ETHYLBENZENE - Acute toxicity - inhalation	
ATE inhalation (gases ppm):	4,500.0
ATE inhalation (vapours mg/l):	11.0
ATE inhalation (dusts/mists mg/l):	1.5
ETHYLBENZENE - Carcinogenicity	
IARC carcinogenicity:	IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecological information on ingredients.

BUTANONE - Acute toxicity	
Acute toxicity - fish:	LC ₅₀ , EC ₅₀ , IC ₅₀ : 100 mg/l, Algae
Acute toxicity - aquatic plants:	LC ₅₀ , EC ₅₀ , IC ₅₀ : 100 mg/l, Fish
XYLENE - Acute toxicity	
Acute toxicity - fish:	48 hours: > 1-10 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates:	EC ₅₀ , 48 hours: 11.5 mg/l, Daphnia magna
Acute toxicity - aquatic plants:	IC ₅₀ , 72 hours: 100 mg/l, Fish

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2-METHOXY-1-METHYLETHYL ACETATE - Acute toxicity

Acute toxicity - fish:	LC ₅₀ , 96 hours: 100 mg/l, Oryzias latipes (Red killifish)
Acute toxicity - aquatic invertebrates:	EC ₅₀ , 48 hours: 500 mg/l, Daphnia magna
Acute toxicity - aquatic plants:	EC ₅₀ , 72 hours: 1000 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms:	EC ₂₀ , 0.5 hours: 1000 mg/l, Activated sludge

12.2. Persistence and degradability

Not available.

12.3. Bioaccumulative potential

Partition coefficient: Not available.

Ecological information on ingredients

XYLENE

Bioaccumulative potential:	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient:	Not available.

12.4. Mobility in soil

Ecological information on ingredients

BUTANONE

Mobility:	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces
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XYLENE

Mobility:	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
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12.5. Results of PBT and vPvP assessment

Results of PBT and vPvP assessment: This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients

BUTANONE

Results of PBT and vPvP Assessment:	This product does not contain any substances classified as PBT or vPvB.
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XYLENE

Results of PBT and vPvP Assessment:	This product does not contain any substances classified as PBT or vPvB.
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12.6. Other adverse effects

Other adverse effects: None known.

BUTANONE	
Other adverse effects:	None known.

XYLENE	
Other adverse effects:	None known.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

General information: Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID): 1224
UN No. (IMDG): 1224
UN No. (ICAO): 1224
UN No. (ADN): 1224

14.2. UN proper shipping name

Proper shipping name (ADR/RID): KETONES, LIQUID, N.O.S.(METHYL ETHYL KETONE)
Proper shipping name (IMDG): KETONES, LIQUID, N.O.S.(METHYL ETHYL KETONE)
Proper shipping name (ICAO): KETONES, LIQUID, N.O.S.(METHYL ETHYL KETONE)
Proper shipping name (ADN): KETONES, LIQUID, N.O.S.(METHYL ETHYL KETONE)

14.3. Transport hazard class(es)

ADR/RID class: 3
ADR/RID classification code: F1
ADR/RID label: 3
IMDG class: 3
ICAO class/division: 3
ADN class: 3

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Transport labels



14.4. Packing group

ADR/RID packing group:	III
IMDG packing group:	III
ADN packing group:	III
ICAO packing group:	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant: No

14.6. Special precautions for user

EmS:	F-E, S-D
ADR transport category:	3
Emergency Action Code:	3Y
Hazard Identification Number (ADR/RID):	30
Tunnel restriction code:	(D/E)

14.7. Transport in bulk

According to Annex II or MARPOL and the IBC Code.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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16. OTHER INFORMATION

Hazard statement in full:

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H413 May cause long lasting harmful effects to aquatic life.

Store Between: Store Between 5°C - 25°C.**Contains SVHC:** No.

This document is only a guide.

Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.