SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

1.1 Product Identifier

Product number and name	**92060 PRATLEY PRATLOK ACTIVATOR, 5ml bottle**
Product type	Activator for Anaerobic threadlocker

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

Relevant identified uses	Consumer use
Uses advised against	No specific uses advised against. Avoid eye and skin contact, inhalation of vapours or ingestion.

1.3 Details of Supplier of Safety Data Sheet

Manufactured by	Pratley Polymers Manufacturing (Proprietary) Ltd 14 Jackson Street, Factoria, Krugersdorp, 1745 South Africa Tel: +27-11-955-2190 Fax: +27-11-955-3918 www.pratleyadhesives.com
Supplied in South Africa by	Pratley (Proprietary) Ltd 14 Jackson Street, Factoria, Krugersdorp, 1745 South Africa Tel: +27-11-955-2190 Fax: +27-11-955-3918 sales@pratley.com www.pratleyadhesives.com
Supplied outside South Africa by	Pratley Exporting (Proprietary) Ltd 14 Jackson Street, Factoria, Krugersdorp, 1745 South Africa Tel: +27-11-955-2190 Fax: +27-11-955-3918 exports@pratley.com www.pratleyadhesives.com

1.4 Emergency Telephone Number

South Africa	+27-11-955-2190 during office hours 10117 All emergencies +27-21-689-5227 Poisons Information Centre
Europe	112 All emergencies
	For detailed poison information, the national poison centre, if available, should be contacted.

United Kingdom	999 All emergencies
	111 (NHS, England, NHS 24, Scotland or NHS Direct, Wales), 0808 808 8000 (Lifeline, N. Ireland) 01 809 2166 (National Poison Information Centre, Republic of Ireland)
Australia	000 All emergencies
	13 11 26 NSW Poison Information Centre
New Zealand	111 All emergencies
	0800 764 766 National Poisons Centre (poisons@otago.ac.nz)
Americas	911 All emergencies
	1-800-222-1222 Poisons Help (PoisonHelp.org)

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification

Class	Category	Hazard Code and Statement	
Flammable	2	H225	Highly flammable liquid and vapour.
Eye Corrosion / Irritation	2	H319	Causes serious eye irritation.
Skin Sensitizer	1	H317	May cause an allergic skin reaction.
Germ Cell Mutagen	1	H340	May cause genetic defects.
Carcinogen	1	H350	May cause cancer.
Reproductive Toxicity	2	H361	Suspected of damaging fertility or the unborn child.
STOT-SE	3	H335	May cause respiratory irritation.
STOT-RE	2	H373	May cause damage to organs through prolonged or repeated exposure.
Aquatic Toxicity - Acute	3	H402	Harmful to aquatic life.
Aquatic Toxicity – Chronic	2	H411	Toxic to aquatic life with long lasting effects.

2.1.2 Additional Information

EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains copper sulphate, naphthenic acid and butanal, reaction products with aniline. May produce an allergic reaction.

2.2 Label Elements

Hazard Pictogram(s), Signal Word and Ingredients

DANGER

Acetone
Butanal, reaction products with aniline
Stoddard solvent
2-ethylhexanoic acid

The technical name has been replaced on the label by a name / identification that is easier for a consumer to identify. See section 16 for a comparison of the technical and alternative names used.

Hazard Statements

H225 **Highly flammable liquid and vapour.**

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

	H336	**May cause drowsiness or dizziness.**
	H340	**May cause genetic defects.**
	H350	**May cause cancer.**
	H361	**Suspected of damaging fertility or the unborn child.**
	H373	**May cause damage to organs through prolonged or repeated exposure.**
	H402	**Harmful to aquatic life.**
	H411	Toxic to aquatic life with long lasting effects.
	EUH066	**Repeated exposure may cause skin dryness or cracking.**
Obligatory Statements	EUH208	**Contains copper sulphate, naphthenic acid and butanal, reaction products with aniline. May produce an allergic reaction.**
Precautionary Statements	P101	**If medical advice is needed, have product container or label at hand.**
	P102	**Keep out of reach of children.**
	P103	**Read label before use.**
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233	Keep container tightly closed.
	P235	Keep cool.
	P240	Ground and bond container and receiving equipment.
	P241	Use explosion proof [electrical/ventilating/lighting/…] equipment
	P242	Use non-sparking tools.
	P243	Take action to prevent static discharge.
	P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264	Wash hands thoroughly after handling.
	P271	Use only outdoors or in a well-ventilated area.
	P272	Contaminated clothing should not be allowed out of the workplace.
	P273	Avoid release to the environment.
	P280	**Wear protective gloves/eye protection.**
	P302 + P352	IF ON SKIN: Wash with plenty of water.
	P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
	P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	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.**
	P312	Call a POISON CENTER/doctor/ … if you feel unwell.
	P314	Get medical advice/attention if you feel unwell.
	P321	Specific treatment (see … on this label)
	P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
	P337 + P313	If eye irritation persists: Get medical advice/attention.

P362 + P364	Take off contaminated clothing and was it before reuse.
P370 + P378	In case of fire: Use… to extinguish.
P391	Collect spillage.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	**Dispose of contents/container in accordance with local regulations.**

Only the hazard statements and Precautionary statements in bold text have been included on the label in accordance with the allowed omissions set out in the ECHA Guidance on Labelling and Packaging.

2.3 Other Hazards

Stoddard Solvent may cause genetic defects or cancer. Analine is suspected of causing genetic defects or cancer. 2-ethylhexanoic acid suspected of damaging fertility or the unborn child.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous Ingredients	% [weight]	CAS No. EC No. Index No.	SCL, M-Factors, ATE	Classification	H / EUH Code(s)
Acetone	47 - 50	67-64-1 200-662-2 606-001-00-8		Flammable Liquid – 2 Eye Irritant – 2 STOT-SE – 3 Obligatory	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. EUH066 Repeated exposure may cause skin dryness or cracking.
Butanal, reaction products with analine	47 - 50	68411-20-1 270-109-8		Skin Sensitizer – 1B STOT-RE – 2 Aquatic Chronic - 2	H317 May cause an allergic skin reaction. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
Analine	0.2 – 0.5	62-53-3 200-539-3 612-008-00-7	STOT RE 1; H372: C ≥ 1 % STOT RE 2; H373: 0,2 % ≤ C < 1 %	Acute Toxicity, oral – 3 Acute Toxicity, dermal – 3 Acute Toxicity, Inhalation - 3 Eye damage - 1 Skin sensitizer – 1 Mutagen – 2 Carcinogen – 2 STOT-RE – 1 Aquatic Acute - 1	H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled. H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H372 Causes damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life.
Stoddard Solvent	0 – 0.3	8052-41-3 232-489-3 649-345-00-4		Aspiration Toxicity – 1 Mutagen – 1B Carcinogen – 1B STOT-RE – 1	H304 May be fatal if swallowed and enters airways. H340 May cause genetic defects. H350 May cause cancer. H372 Causes damage to organs through prolonged or repeated exposure. (central nervous system)

2-ethylhexanoic acid	0 – 0.3	149-57-5 205-743-6 607-230-00-6		Reproductive Toxicity - 2	H361 Suspected of damaging fertility or the unborn child.
Copper sulphate	0 – 0.1	7758-98-7 213-847-6		Acute toxicity, oral – 4 Skin Irritation – 2 Eye Irritation – 2 Aquatic Acute – 1 Aquatic Chronic – 1	H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures

SKIN Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

EYE Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

INHALATION Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. if unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.

INGESTION Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in the recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt, or waistband.

4.2 Most important symptoms and effects, both acute and delayed

SKIN	May be absorbed through the skin. Prolonged or repeated exposure may damage fertility or the unborn child.
EYE	Causes serious irritation.
INHALATION	Prolonged or repeated exposure may damage fertility or the unborn child or cause damage to organs.
INGESTION	Prolonged or repeated exposure may damage fertility or the unborn child or cause damage to organs.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Extinguishing Media

SUITABLE Water fog, foam, extinguishing powder, or carbon dioxide.

NOT SUITABLE Do not use water jet.

5.2 Special Hazards arising from the Substance or Mixture

HAZARDS FROM THE SUBSTANCE / MIXTURE Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS Carbon oxides and other hazardous substances

5.3 Advice for Firefighters

SPECIAL PRECAUTIONS FOR FIREFIGHTERS Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

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 walk through spilled material. Avoid breathing vapour or mist. Provide adequate ventilation.

6.1.1 For non-emergency personnel

Wear appropriate personal protective equipment. Collect and dispose of as soon as possible.
SKIN Rubber, PVC or nitrile gloves and non-permeable overalls.
FACE / EYES Safety goggles.
CLOTHING Full suit and boots.
VENTILATION If ventilation is poor use a self-contained breathing apparatus.

6.1.2 For emergency personnel

Wear appropriate personal protective equipment. Collect and dispose of as soon as possible.
SKIN Rubber, PVC or nitrile gloves and non-permeable overalls.
FACE / EYES Safety goggles.
CLOTHING Full suit and boots.
VENTILATION If ventilation is poor use a self-contained breathing apparatus.

6.2 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, air). May be harmful to the environment if released in large quantities.

6.3 Method and material for containment and cleaning up

6.3.1 Containment procedure

Absorb with an inert material and then collect. Put the absorbed material in an appropriate waste disposal container.

6.3.2 Clean-up procedure

Small amounts should be absorbed onto a suitable material and allowed to dry in a well-ventilated area. This should be disposed of in accordance with local regulations.
Large amounts would need to be incinerated in accordance with local regulations.

6.3.3 Additional Information

See SECTION 13 for disposal considerations.

6.4 Reference to other sections

See SECTION 13 for disposal considerations.

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for Safe handling

7.1.1 Recommendations for safe handling and storage

Do not eat, drink or smoke where this material is stored. Avoid release to the environment. Keep in the original container and keep tightly closed when not in use. Empty containers retain product residue and may be hazardous. Do not reuse containers.

7.1.2 Advice on general occupational hygiene

Put on appropriate personal protective equipment (see SECTION 8). Do not eat, drink, or smoke when working with this material. Wash hands and face before eating, drinking, or smoking. Persons with a history of skin sensitization problems should not use this product. Do not get in eyes. Avoid skin contact as much as possible. Do not ingest. Avoid breathing vapours.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Vapours may travel a considerable distance to an ignition source and flash back. Store in the original container protected from sources of ignition or sunlight in a dry, cool (10-30°C) and well-ventilated area, away from incompatible materials, food and drink. Keep container tightly closed and sealed until ready to use. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Incompatible Materials: Strong oxidizing agents, strong reducing agents, bases, acids and peroxides.
Packaging Material: Use original container.

7.3 Specific end use(s)

Not applicable.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control Parameters

The DNEL (Derived No-Effect Level) for humans by inhalation, ingestion and dermal routes of exposure and the PNEC (Predicted No-Effect Concentration) for environmental exposure given below are not intended to be directly used for setting workplace or general population exposure limits. Due to differences in calculation methodology the DNEL will tend to be lower (sometimes significantly) than any corresponding health based-OEL for that chemical substance. Further, although DNELs (and PNEC's) are an indication of setting risk measures, it should be recognized that these limits do not have the same regulatory application as officially endorsed government OELs.

DNEL

Ingredient (CAS No,)	**Route of exposure**		**Exposure Limit**	
			Workers	**Consumers**
Acetone **(67-64-1)**	Oral	ST	Not applicable.	No data available.
		LT	Not applicable	DNEL: 62 mg/kg bw/day (systemic)
	Dermal	ST	No data available.	No data available.
		LT	DNEL: 186 mg/kg bw/day (systemic)	DNEL: 62 mg/kg bw/day (systemic)
	Inhalation	ST	DNEL: 2420 mg/m³ (local)	No data available.
		LT	No data available.	DNEL: 200 mg/m³ (systemic)

Butanal, reaction products with analine **(68411-20-1)**	Oral	ST	Not applicable.	No data available.
		LT	Not applicable.	DNEL: 83 µg/kg bw/day (repeated dose, systemic)
	Dermal	ST	No data available.	No data available.
		LT	DNEL: 230 µg/kg bw/day (systemic)	DNEL: 83 µg/kg bw/day (repeated dose)
	Inhalation	ST	DNEL: 1.64 mg/m³ (systemic)	DNEL: 145 µg/m³ (systemic)
		LT	DNEL: 820 µg/m³ (repeated dose, systemic)	DNEL: 290 µg/m³ (repeated dose, systemic)
Analine **(62-53-3)**	Oral		Not applicable.	No data available.
	Dermal	ST	DNEL: 4 mg/kg bw/day (repeated dose, systemic)	No data available.
		LT	DNEL: 2 mg/kg bw/day (repeated dose, systemic)	No data available.
	Inhalation	ST	DNEL: 15.4 mg/m³ (repeated dose, systemic)	No data available.
		LT	DNEL: 7.7 mg/m³ (repeated dose, systemic)	No data available.
Stoddard solvent **(8052-41-3)**	Oral	ST	Not applicable.	DNEL: 50 mg/kg bw/day (systemic)
		LT	Not applicable.	DNEL: 10.56 mg/kg bw/day (repeated dose, systemic)
	Dermal	ST	DNEL: 30 mg/kg bw/day (systemic)	DNEL: 60 mg/kg bw/day (systemic) No hazard identified (local)
		LT	DNEL: 80 mg/kg bw/day (repeated dose, systemic) DNEL: 7.56 mg/cm² (repeated dose, local)	DNEL: 40 mg/kg bw/day (repeated dose, systemic) DNEL: 3.78 mg/cm² (repeated dose, local)
	Inhalation	ST	DNEL: 55 mg/m³	DNEL: 55 mg/m³
		LT	DNEL: 44 mg/m³ (repeated dose)	DNEL: 22 mg/m³ (repeated dose)
2-ethylhexanoic acid (**149-57-5**)	Oral	LT	Not applicable.	DNEL: 1 mg/kg bw/day (teratogenicity) (systemic)
	Dermal	LT	DNEL: 2 mg/kg bw/day (teratogenicity) (systemic)	DNEL: 1 mg/kg bw/day (teratogenicity) (systemic)
	Inhalation	LT	DNEL: 14 mg/m³ (teratogenicity) (systemic)	DNEL: 3.5 mg/m³ (teratogenicity) (systemic)
Copper sulphate **(7758-98-7)**	Oral	ST	Not applicable.	DNEL: 82 µg/kg bw/day (repeated, systemic)
		LT	Not applicable	DNEL: 41 µg/kg bw/day (repeated, systemic)
	Dermal	LT	DNEL: 137 mg/kg bw/day (systemic)	No hazard identified.
	Inhalation	LT	DNEL: 1 mg/m³	No hazard identified.

PNEC

Fresh water	**Freshwater sediments**	**Marine water**	**Marine water sediments**	**Food chain**	**Sewage treatment**	**Soil (agricultural)**	**Air**	**Intermittent releases**
Acetone **(67-64-1)**								
10.6 mg/L	30.4 mg/kg sediment dw	1.06 mg/L	3.04 mg/kg sediment dw	No potential for bio-accumulation	100 mg/L	29.5 mg/kg soil dw	No hazard identified	21 mg/L

Butanal, reaction products with analine **(68411-20-1)**								
3.8 µg/L	30.2 mg/kg sediment dw	380 ng/L	3.02 mg/kg sediment dw	830 µg/kg food	No hazard identified	6.02 mg/kg soil dw	No hazard identified	38 µg/L
Analine **(62-53-3)**								
1.2 µg/L	153 µg/kg sediment dw	120 ng/L	15.3 µg/kg sediment dw	2.3 g/kg food	2 mg/L	33 µg/kg soil dw	No hazard identified	No data available
Stoddard solvent **(8052-41-3)**								
140 µg/L	1.14 mg/kg sediment dw	350 µg/L	140 µg/kg sediment dw	No potential for bio-accumulation	No data available: testing technically not feasible	No hazard identified	10 mg/m³	14 µg/L
2-ethylhexanoic acid (**149-57-5**)								
398 µg/L	4.74 mg/kg sediment dw	39.8 µg/L	474 µg/kg sediment dw	No potential for bio-accumulation	71.7 mg/L	712 µg/kg soil dw	No hazard identified	1 mg/L
Copper sulphate **(7758-98-7)**								
7.8 µg/L	87 mg/kg sediment dw	5.2 µg/L	676 mg/kg sediment dw	No potential for bio-accumulation	230 µg/L	65 mg/kg soil dw	No hazard identified	No data available

8.2 Exposure Controls

8.2.1 Appropriate engineering controls

None required. Use in a well-ventilated area. If ventilation is poor use a self-contained breathing apparatus.

8.2.2 Personal Protection

Skin Rubber, PVC or nitrile gloves and non-permeable overalls.

Face / Eye Avoid eye contact. Do not touch or rub eyes after contact with product. Wash hands thoroughly with soap and water first.

Inhalation Use outdoors or in a well-ventilated area.

Ingestion Do not eat, drink, or smoke while working with this product. Wash hands thoroughly with soap and water after using this product. Keep away from children.

Thermal None required when used as instructed.

Other Always wash hands with soap and water after use.

8.2.3 Environmental Protection

Avoid release to the environment. Contain and dispose of in accordance with local regulations.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 information on physical and chemical properties

Physical State	Liquid
Colour	Brown
Odour	Lika ammonia
Melting point / Freezing point (°C)	Data for mixture not available.
Boiling point, initial and range (°C)	Data for mixture not available. 56.05°C for the Acetone portion.
Flammability	Not flammable. May be combustible at high temperatures.
Explosion / Flammability limits	No data available.

Flash point (°C), closed cup	<20°C.
Auto-ignition temperature (°C)	No data available.
Decomposition temperature (°C)	No data available.
pH	No data available.
Kinematic Viscosity (at 23°C)	230 cSt
Solubility	Mixture is insoluble in water.
Partition co-efficient : n-octanol / water	Data for the mixture not available.
Vapour pressure	No data available. 24kPa at 20°C for the acetone portion.
Density and/or Relative density (at 23°C)	0.89 g/cm^3
Relative Vapour density	No data available.
Particle characteristics	No data available.

9.2 Other information

9.2.1 Information with regards to physical Hazard Classes

No additional information available.

9.2.2 Other Safety Characteristics

No additional information available.

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity

Reacts with strong oxidising agents, strong reducing agents, bases or acids and peroxides.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions

Hazardous reactions may occur under certain conditions of storage or use.

10.4 Conditions to Avoid

Avoid open flames, welding arcs, or other high temperature sources.

10.5 Incompatible Materials

Strong oxidizing agents and acids, strong reducing agents, bases or acids and peroxides.

10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 – TOXOLOGICAL INFORMATION

11.1 Information on Hazard Classes

Ingredient (CAS No.)	Toxicological effect	Findings
Acetone **(67-64-1)**	Acute Toxicity - oral	LD_{50}: 5800 mg/kg bw (rat)

The information provided is correct to the best of our knowledge. The information is designed only as a guide and is not considered as a warranty. We do not accept any liability arising from the use of information provided herein.

	Acute Toxicity - dermal	LD_{50}: 7 426 mg/kg bw (guinea pig) LD_{50}: 9.4 mL/kg bw (guinea pig) LD_{50}: 7 426 - 15 800 mg/kg bw (rabbit) LD_{50}: 9.4 - 20 mL/kg bw (rabbit)
	Acute Toxicity - inhalation	LC_{50} (8 h): 50.1 mg/L air (rat) LC_{50} (4 h): 76 mg/L air (rat) LC_{50} (3 h): 132 mg/L air (rat) LC_{50} (3 h): 55 700 ppm (rat)
	Skin Corrosion/ Irritation	No adverse effects observed – not irritating.
	Serious Eye Damage/ Irritation	Adverse effects observed – irritating.
	Skin Sensitizer	No adverse effects observed – not sensitizing.
	Respiratory Sensitizer	No data available.
	Germ Cell Mutagenicity	No data available.
	Carcinogenicity	No data available.
	Reproductive Toxicity	No data available.
	Developmental / Teratogenetic Toxicity	No data available.
	STOT - Single Exposure	No data available.
	STOT - Repeated Exposure	ORAL NOAEL (rat): 10 000 - 50 000 ppm NOAEL (mouse): 20 000 ppm LOAEL (rat): 20 000 ppm LOAEL (mouse): 50 000 ppm INHALATION NOAEC (rat): 19 000 ppm
	Aspiration Hazard	No data available.
Butanal, reaction products with analine **(68411-20-1)**	Acute Toxicity - oral	Adverse effect observed LD_{50}: 3 830 mg/kg bw
	Acute Toxicity - dermal	No adverse effect observed. Discriminating dose 7 940 mg/kg bw
	Acute Toxicity - inhalation	No data available.
	Skin Corrosion/ Irritation	No adverse effects observed – not irritating.
	Serious Eye Damage/ Irritation	No adverse effects observed – not irritating.
	Skin Sensitizer	Adverse effects observed – sensitising.
	Respiratory Sensitizer	No data available.
	Germ Cell Mutagenicity	InVitro: No adverse effect observed (negative). InVivo: No data available.

	Carcinogenicity	No data available.
	Reproductive Toxicity	No data available.
	Developmental / Teratogenetic Toxicity	No data available.
	STOT - Single Exposure	No data available.
	STOT - Repeated Exposure	NOAEL: 25 mg/kg bw/day (subacute, rat)
	Aspiration Hazard	No data available.
Analine **(62-53-3)**	Acute Toxicity - oral	LD_{50}: 442 - 930 mg/kg bw (rat) approx. LD_{50}: 102 mg/kg bw (cat)
	Acute Toxicity - dermal	LD_{50}: 254 mg/kg bw (cat) LD_{50}: 1 540 mg/kg bw (rabbit)
	Acute Toxicity - inhalation	LC_{50} (4 h): 839 ppm (rat)
	Skin Corrosion/ Irritation	No data available.
	Serious Eye Damage/ Irritation	No data available.
	Skin Sensitizer	No data available.
	Respiratory Sensitizer	No data available.
	Germ Cell Mutagenicity	No data available.
	Carcinogenicity	No data available.
	Reproductive Toxicity	No data available.
	Developmental / Teratogenetic Toxicity	No data available.
	STOT - Single Exposure	No data available.
	STOT - Repeated Exposure	INHALATION NOAEC (rat): 9.2 mg/m³ air LOAEC (rat): 32.6 mg/m³ air
	Aspiration Hazard	No data available.
Stoddard solvent **(8052-41-3)**	Acute Toxicity - oral	No adverse effect observed LD_{50}: 5 000 mg/kg bw
	Acute Toxicity - dermal	No adverse effect observed LD_{50}: 3 000 mg/kg bw
	Acute Toxicity - inhalation	No adverse effect observed LC_{50}: 5.5 mg/L air
	Skin Corrosion/ Irritation	Adverse effects observed – irritating.
	Serious Eye Damage/ Irritation	No adverse effects observed – not irritating.

	Skin Sensitizer	No adverse effects observed – not sensitizing.
	Respiratory Sensitizer	No adverse effects observed – not sensitizing.
	Germ Cell Mutagenicity	InVitro: No adverse effects observed (negative). InVivo: No adverse effects observed (negative).
	Carcinogenicity	No data available.
	Reproductive Toxicity	Oral – NOAEL: 3 000 mg/kg bw/day (subchronic, rat) Dermal – NOAEL: 494 mg/kg bw/day (subchronic, rat) Inhalation – NOAEC: 1 000 mg/m³ (subchronic, rat)
	Developmental / Teratogenetic Toxicity	Oral – NOAEL: 750 mg/kg bw/day (subchronic, rat) Dermal – NOAEL: 494 mg/kg bw/day (subchronic, rat) Inhalation – NOAEC: 2400 mg/m³ (subchronic, rat)
	STOT - Single Exposure	No data available.
	STOT - Repeated Exposure	Oral - NOAEL: 1 056 mg/kg bw/day (subchronic, rat) Dermal, systemic – NOAEL: 2 000 mg/kg bw/day (subchronic, rabbit) Dermal, local – NOAEL: 37.8 mg/cm² (subchronic, rabbit) Inhalation, systemic – NOAEC: 1 100 mg/m³ (subchronic, rat) Inhalation, local – NOAEC: 1 100 mg/m³ (subchronic, rat)
	Aspiration Hazard	No data available.
2-ethylhexanoic acid (**149-57-5**)	Acute Toxicity - oral	LD_{50}: 2 043 mg/kg bw (rat)
	Acute Toxicity - dermal	LD_{50}: 2 000 mg/kg bw (rat)
	Acute Toxicity - inhalation	LC0 (8 h): 110 mg/m³ air (rat)
	Skin Corrosion/ Irritation	Adverse effects observed – irritating.
	Serious Eye Damage/ Irritation	Adverse effects observed – irritating.
	Skin Sensitizer	No adverse effects observed – not sensitizing.
	Respiratory Sensitizer	No data available.
	Germ Cell Mutagenicity	No data available.
	Carcinogenicity	No data available.
	Reproductive Toxicity	No data available.
	Developmental / Teratogenetic Toxicity	No data available.
	STOT - Single Exposure	No data available.
	STOT - Repeated Exposure	ORAL NOAEL (rat): 300 mg/kg bw/day NOAEL (mouse): 200 mg/kg bw/day
	Aspiration Hazard	No data available.

Copper sulphate **(7758-98-7)**	Acute Toxicity - oral	LD_{50}: 481 - 482 mg/kg bw (rat)
	Acute Toxicity - dermal	LD_{50}: 2 000 mg/kg bw (rat)
	Acute Toxicity - inhalation	No data available.
	Skin Corrosion/ Irritation	No data available.
	Serious Eye Damage/ Irritation	No data available.
	Skin Sensitizer	No data available.
	Respiratory Sensitizer	No data available.
	Germ Cell Mutagenicity	No data available.
	Carcinogenicity	No data available.
	Reproductive Toxicity	No data available.
	Developmental / Teratogenetic Toxicity	No data available.
	STOT - Single Exposure	No data available.
	STOT - Repeated Exposure	ORAL NOAEL (rat): 1 000 ppm NOAEL (mouse): 1 000 ppm LOAEL (rat): 2 000 ppm LOAEL (mouse): 2 000 ppm INHALATION NOAEL (rat): 2 mg/m³ air LOEL (rat): 200 µg/m³ air
	Aspiration Hazard	No data available.

11.2 Information on Other Hazards

11.2.1 Endocrine Disrupting Properties

Not listed as an endocrine disruptor on EDL List I (identified) List II (under evaluation for) or List III (has ED properties).

11.2.2 Other Information

No additional information available.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity

Classified as Toxic to aquatic life with long lasting effects.

Please see Section 8.1 for PNECs on individual ingredients.

12.2 Persistance and Biodegradability

No data available for the mixture.

Acetone **(67-64-1)**	Readily biodegradable in water (100%).
Butanal, reaction products with analine **(68411-20-1)**	Under test conditions, no biodegradation in water observed. (100%)
Analine **(62-53-3)**	Readily biodegradable in water. (100%)
Stoddard solvent **(8052-41-3)**	Readily biodegradable in water. (100%)
2-ethylhexanoic acid **(149-57-5)**	Readily biodegradable in water. (100%)
Copper sulphate **(7758-98-7)**	No data available.

12.3 Bioaccumulative Potential

No data available for the mixture.

Acetone **(67-64-1)**	No bioaccumulation potential.
Butanal, reaction products with analine **(68411-20-1)**	Low bioaccumulation potential.
Analine **(62-53-3)**	No data available.
Stoddard solvent **(8052-41-3)**	BCF 39.66 L/kg ww
2-ethylhexanoic acid **(149-57-5)**	No data available.
Copper sulphate **(7758-98-7)**	No data available.

12.4 Mobility in Soil

No data available for the mixture. Based on viscosity and surface tension, expected to be mobile in soil.

12.5 Results of PBT and vPvB assessment

No PBT or vPvB assessment has been carried out.

12.6 Endocrine Disrupting Properties

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in Section B of Regulation (EU) No 2017/100.

12.7 Other Adverse Effects

None known.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material (uncured) and its container must be disposed of in a safe way.

Small amounts (during personal use) React with Pratley Pratlok Activator and once cured, dispose of in accordance with local regulations.
Large amounts Contain and dispose of in accordance with local regulations. Mixing large amounts of Pratlok with Pratlok Activator creates an exothermic reaction and care should be taken to avoid uncontrolled heating and possible fire.
EWC 20 01 27 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS: separately collected fractions: paint, inks, adhesives and resins containing dangerous substances

SECTION 14 – TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class	14.4 Packing Group
ADR	1993	FLAMMABLE LIQUID, N.O.S. contains acetone	3	II
RID	1993	FLAMMABLE LIQUID, N.O.S. contains acetone	3	II
ADN	1993	FLAMMABLE LIQUID, N.O.S. contains acetone	3	II
IMO/IMDG	1993	FLAMMABLE LIQUID, N.O.S. contains acetone	3	II
ICAO/IATA	1993	FLAMMABLE LIQUID, N.O.S. contains acetone	3	II

14.5 Environmental Hazards

Classified as toxic to the aquatic environment; Chronic Category 2.

14.6 Special Precautions for User

None known.

14.7 Maritime Transport in Bulk According to IMO instruments

Not applicable as never transported in bulk.

SECTION 15 – REGULATORY INFORMATION

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

REACH EC1907/2006 Annex XIII, XIV, XVII No ingredient is subject to restrictions. Note that the Stoddard solvent does not contain >0.1% benzene.
International Agency for Research on Cancer (IARC) Analine is listed in Group 3 as not classifiable. All other ingredients are not listed.
Australia Inventory of Industrial Chemicals (AIIC) The substance(s) in this product are listed.
New Zealand Inventory (NZIoC) The substance(s) in this product are listed.
Canada Domestic Substances List (DSL) / Non-Domestic Substance List (NDSL) The substance(s) in this product are listed. Analine and Stoddard solvent are subject to environmental restrictions.
United States Inventory (TSCA) The substance(s) in this product are listed.
California Proposition 65 Analine is listed / subject to restrictions. All other ingredients are not listed.
Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-to-Know Act (EPCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and Section 112(r) of the Clean Air Act (CAA) Analine, acetone, and copper sulphate are listed / subject to restrictions.

15.2 Chemical Safety Assessment

Not yet done.

SECTION 16 – OTHER INFORMATION

Alternative names used on consumer packaging:

CAS No.	Ingredient Name (IUPAC)	Name used on Consumer Packaging
67-64-1	Acetone	Acetone
68411-20-1	Butanal, reaction products with analine	Butanal, reaction products with analine
8052-41-3	Stoddard solvent	Stoddard solvent
149-57-5	2-ethylhexanoic acid	2-ethylhexanoic acid

Changes from previous version:

Date changed	Section	Changes
2023.06.20		Major changes to comply with updated Regulation (EU) 2020/878.
2016.06.08		Re-evaluated hazard.

Abbreviations used:

ADN	European Agreement concerning the International Carriage of Dangerous Goods on Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioaccumulation Factor
CAS No.	Chemical Abstract Services Number
DNEL	Derived no-effect level
EC3	Effective concentration required to produce a three-fold increase in the stimulation index
EC No.	European Community Number
ECHA	European Chemicals Agency
EWC	European Waste Code
GCL	Generic concentration limit
GLP	Good Laboratory Practice
HSNO	Hazardous Substances and New Organisms Act
IATA	International Air Transport Association
IBC	International Bulk Container
ICAO	International Civil Aviation Authority
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LD50	Lethal dose to 50% of test population
LLNA	Local lymph node assay
LT	Long term
mg/kg bw	milligrams per kilogram of body weight
mg/kg dwt	milligrams per kilogram dry weight
NOAEL	No observed adverse effect level
OECD	Organisation for Economic Co-operation and Development

OEL	Occupational Exposure Limit
PBT	Persistant, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
RID	European Agreements Concerning the International Carriage of Dangerous Goods by Rail
SCBA	Self contained breathing apparatus
SCL	Specific Concentration Limit
ST	Short term
STOT-SE	Specific target Organ Toxicity - Single Exposure
UN	United Nations
vPvB	very Persistant and very Bioaccumulative