


# Safety Data Sheet

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## Roadcrew Range Platinum TFR

SECTION 1: Identification of the substance/mixture and of the company/undertaking	
<b>1.1. Product identifier</b>	
Product name	Platinum TFR - Roadcrew
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified uses	Traffic Film Remover
Uses advised against	This product is not recommended for any other purpose than stated above.
<b>1.3. Details of the supplier of the safety data sheet</b>	
Supplier	Roadcrew Solutions Wedgnock Lane Warwick CV34 5YA 0845 600 9675
<b>1.4. Emergency telephone number</b>	
Emergency telephone	As Above - Opening Hours 9 am - 4 pm (Monday - Friday)

SECTION 2: Hazards identification	
<b>2.1. Classification of the substance or mixture</b>	
Classification	
Physical hazards	Not Classified
Health hazards	Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards	Not Classified
<b>2.2. Label elements</b>	
Pictogram	
Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage.
Precautionary statements	P260 Do not breathe vapour/spray. P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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. P310 Immediately call a POISON CENTER/doctor. P321 Specific treatment (see medical advice on this label). P363 Wash contaminated clothing before reuse. P405 Store locked up. P501 Dispose of contents/container in accordance with national regulations

<b>Contains</b>	Sodium Hydroxide, Alkylamidopropylbetain
<b>Detergent labelling</b>	< 5% amphoteric surfactants, < 5% non-ionic surfactants
<b>Supplementary precautionary statements</b>	P260 Do not breathe vapour/spray. P264 Wash contaminated skin thoroughly after handling. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER/doctor. P321 Specific treatment (see medical advice on this label). P363 Wash contaminated clothing before reuse.

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Sodium Hydroxide 1-5%</b>	CAS number: 1310-73-2 EC number: 215-185-5 REACH registration number: 01-2119457892-27-XXXX
<b>Classification</b>	Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318
<b>Classification (67/548/EEC or 1999/45/EC)</b>	C;R35

<b>Alkylamidopropylbetain 1-5%</b>	CAS number: —
<b>Classification</b>	Eye Dam. 1 - H318 Aquatic Chronic 3 - H412
<b>Classification (67/548/EEC or 1999/45/EC)</b>	Xi;R41.

<b>TRISODIUM NITRILOTRIACETATE 1-5%</b>	CAS number: 5064-31-3 EC number: 225-768-6 REACH registration number: 01-2119519239-36-XXXX
<b>Classification</b>	Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351
<b>Classification (67/548/EEC or 1999/45/EC)</b>	Carc. Cat. 3;R40 Xn;R22 Xi;R36

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Effects may be delayed. Keep affected person under observation. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. DO NOT induce vomiting. Get medical attention immediately. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing and rinse skin thoroughly with water. Continue to rinse for at least 15 minutes. Get medical attention.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

<b>4.2. Most important symptoms and effects, both acute and delayed</b>	
<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	May cause chemical burns in mouth and throat. May cause discomfort if swallowed. May cause stomach pain or vomiting.
<b>Skin contact</b>	Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.
<b>Eye contact</b>	May cause blurred vision and serious eye damage. Severe irritation, burning and tearing.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	
<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.

## SECTION 5: Firefighting measures

<b>5.1. Extinguishing media</b>	
<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
<b>5.2. Special hazards arising from the substance or mixture</b>	
<b>Specific hazards</b>	Oxides of the following substances: Carbon. Nitrogen. Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapours.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
<b>5.3. Advice for firefighters</b>	
<b>Protective actions during firefighting</b>	Control run-off water by containing and keeping it out of sewers and watercourses. Ventilate closed spaces before entering them. If risk of water pollution occurs, notify appropriate authorities.
<b>Special protective equipment for firefighters</b>	Use air-supplied respirator, gloves and protective goggles. Use protective equipment appropriate for surrounding materials.

## SECTION 6: Accidental release measures


<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
<b>Personal precautions</b>	For personal protection, see Section 8.
<b>6.2. Environmental precautions</b>	
<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
<b>6.3. Methods and material for containment and cleaning up</b>	
<b>Methods for cleaning up</b>	Stop leak if possible without risk. DO NOT touch spilled material! Absorb spillage with noncombustible, absorbent material. Flush contaminated area with plenty of water. Contain spillage with sand, earth or other suitable non-combustible material. Flush contaminated area with plenty of water. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer.
<b>6.4. Reference to other sections</b>	
<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see section 13.

## SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	
<b>Usage precautions</b>	Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Avoid acids and combustible materials. Eye wash facilities and emergency shower must be available when handling this product.

7.2. Conditions for safe storage, including any incompatibilities	
Storage precautions	Keep in cool, dry, ventilated storage and closed containers Store in closed original container at temperatures between 5°C and 25°C.
Storage class	Corrosive storage.
7.3. Specific end use(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

8.1. Control parameters	
Occupational exposure limits	<p><b>SODIUM HYDROXIDE</b></p> <p>Long-term exposure limit (8-hour TWA): WEL  Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>  WEL = Workplace Exposure Limit</p>
Ingredient comments	WEL = Workplace Exposure Limits
DNEL	<p><b>SODIUM HYDROXIDE (CAS: 1310-73-2)</b></p> <p>DNEL Consumer - Inhalation; Short term local effects: 1 mg/m<sup>3</sup>  Industry - Inhalation; Short term local effects: 1 mg/m<sup>3</sup>  Industry - Inhalation; Long term local effects: 1 mg/m<sup>3</sup></p>
DNEL	<p><b>TRISODIUM NITRILOTRIACETATE (CAS: 5064-31-3)</b></p> <p>Industry - Inhalation; Short term systemic effects: 9.6 mg/m<sup>3</sup>  Consumer - Inhalation; Short term systemic effects: 2.4 mg/m<sup>3</sup>  Industry - Oral; Short term systemic effects: NA  Consumer - Oral; Short term systemic effects: 0.9 mg/kg/day  Industry - Inhalation; Long term systemic effects: 3.2 mg/m<sup>3</sup>  Consumer - Inhalation; Long term systemic effects: 0.8 mg/m<sup>3</sup>  Industry - Oral; Long term systemic effects: NA  Consumer - Oral; Long term systemic effects: 0.3 mg/kg/day</p>
PNEC	<ul style="list-style-type: none"> <li>- Fresh water; 0.93 mg/l</li> <li>- Marine water; 0.093 mg/l</li> <li>- Intermittent release; 0.8 mg/l</li> <li>- STP; 270 mg/l</li> </ul>
8.2. Exposure controls	
Protective equipment	
Appropriate engineering controls	Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If mechanical extraction methods are insufficient to maintain concentration of vapours below relevant WEL's, suitable protective equipment should be worn. Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Any person visiting an area where this product is handled or processed should at least wear safety glasses with side shields. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.
Hand protection	Gloves should be replaced immediately if signs of degradation are observed. The durability of PPE will vary according to use. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).

<b>Other skin and body protection</b>	Provide eyewash station. Work clothes protecting arms, legs and body should be used, together with a PVC protective apron which should be long enough to cover rubber shoes/boots thus eliminating the possibility of splashes or spillages entering the footwear.
<b>Hygiene measures</b>	Based on and limited to our experience of this product, the following special advice is believed to provide satisfactory protection for the industrial user or handler. The choice of suitable protective equipment depends on work conditions and what methods are used for handling the substance. This advice is not a substitute for each Company conducting their own Risk/COSHH Assessments, but is provided as general guidance. Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use barrier cream to prevent drying of skin. Eating, smoking and water fountains prohibited in immediate work area.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn. Seek advice from supervisor on the company's respiratory protection standards.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Varying.
<b>Odour</b>	Characteristic.
<b>pH</b>	pH (concentrated solution): 14
<b>Bulk density</b>	~ 1
<b>Solubility(ies)</b>	Soluble in water.
<b>9.2. Other information</b>	
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 0 g/litre.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	The following materials may react strongly with the product: Strong acids. Strong oxidising agents.
<b>10.2. Chemical stability</b>	
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>10.3. Possibility of hazardous reactions</b>	
<b>Possibility of hazardous reactions</b>	Not applicable. Will not polymerise.
<b>10.4. Conditions to avoid</b>	
<b>Conditions to avoid</b>	Avoid freezing. Avoid exposure to high temperatures or direct sunlight.
<b>10.5. Incompatible materials</b>	
<b>Materials to avoid</b>	Strong oxidising agents. Strong acids.
<b>10.6. Hazardous decomposition products</b>	
<b>Hazardous decomposition products</b>	No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity - oral</b>	
<b>ATE oral (mg/kg)</b>	43,163.55667707
<b>General information</b>	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

<b>Inhalation</b>	Vapour may irritate respiratory system/lungs.
<b>Ingestion</b>	May cause severe internal injury.
<b>Skin contact</b>	May cause serious chemical burns to the skin.
<b>Eye contact</b>	May cause blurred vision and serious eye damage.
<b>Acute and chronic health hazards</b>	This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns. Repeated exposure may cause chronic eye irritation. May cause chemical eye burns. Swallowing concentrated chemical may cause internal injury.
<b>Route of entry</b>	Inhalation Ingestion. Skin and/or eye contact
<b>Target organs</b>	Eyes Gastro-intestinal tract Respiratory system, lungs Skin
<b>Medical symptoms</b>	Severe irritation, burning and tearing. Severe skin irritation. Gastrointestinal symptoms, including upset stomach.
<b>Medical considerations</b>	Skin disorders and allergies.

<b>Toxicological information on ingredients.</b>	
<b>Sodium Hydroxide</b>	
<b>Acute toxicity - oral</b>	
<b>Acute toxicity oral (LD<sub>50</sub>mg/kg)</b>	2,000.0
<b>Species</b>	Rat
<b>General information</b>	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Corrosive. Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
<b>Skin contact</b>	Strong caustic effect on skin and mucous membranes.
<b>Eye contact</b>	Strong caustic effect.
<b>TRISODIUM NITRILOTRIACETATE</b>	
<b>Toxicological effects</b>	Nitrilotriacetic acid, trisodium salt (NTA) has caused kidney tumours in rats and mice when administered orally in high concentrations. The tumours are based on organ damage that can only occur when extremely high threshold limit concentrations, as compared with possible human exposure, are exceeded. In view of the low levels of exposure to this product when used by humans during normal working practices, and with recommended PPE, the risks are extremely limited.
<b>Acute toxicity - oral</b>	
<b>Acute toxicity oral (LD<sub>50</sub>mg/kg)</b>	1,300.0
<b>Species</b>	Rat
<b>ATE oral (mg/kg)</b>	1,300.0
<b>Acute toxicity - dermal</b>	
<b>Acute toxicity dermal (LD<sub>50</sub>mg/kg)</b>	10,000.0
<b>Species</b>	Rat
<b>ATE dermal (mg/kg)</b>	10,000.0
<b>Acute toxicity - inhalation</b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)</b>	5.0
<b>Species</b>	Rat
<b>Carcinogenicity</b>	
<b>Carcinogenicity</b>	Limited evidence of a carcinogenic effect.

**SECTION 12: Ecological Information**

<b>Ecotoxicity</b>	Not classified as dangerous to the environment.
<b>12.1. Toxicity</b>	
<b>Ecological information on ingredients.</b>	
<b>Sodium Hydroxide</b>	
<b>Toxicity</b>	Aquatic toxicity: EC 50 >100mg/l (daphnia) (OECD 202) EC 50 (48u) >156mg/l (daphnia) LC 50 (48u) >189mg/l (Leuciscus idus) (OECD 203) LC 50 (96u) >55.6mg/l (fish)
<b>Alkylamidopropylbetain</b>	
<b>Toxicity</b>	Toxicity to bacteria: EC0 : Dose: > 3000 mg/l calculated
<b>TRISODIUM NITRILOTRIACETATE</b>	
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 114 - 470 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 560 - 1,000 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC <sub>50</sub> , 72 hours: 180 - 320 mg/l, Algae
<b>12.2. Persistence and degradability</b>	
<b>Ecological information on ingredients.</b>	
<b>Sodium Hydroxide</b>	
<b>Persistence and degradability</b>	No further relevant information available.
<b>Alkylamidopropylbetain</b>	
<b>Persistence and degradability</b>	Biological degradability: >80% Testing period: 28d The product is readily biodegradable according to OECD criteria.
<b>TRISODIUM NITRILOTRIACETATE</b>	
<b>Persistence and degradability</b>	Biodegradable.
<b>12.3. Bioaccumulative potential</b>	
<b>Ecological information on ingredients.</b>	
<b>Sodium Hydroxide</b>	
<b>Bioaccumulative potential</b>	No further relevant information available.
<b>Alkylamidopropylbetain</b>	
<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>TRISODIUM NITRILOTRIACETATE</b>	
<b>Bioaccumulative potential</b>	The product does not contain any substances expected to be bioaccumulating.
<b>12.4. Mobility in soil</b>	
<b>Ecological information on ingredients.</b>	
<b>Sodium Hydroxide</b>	
<b>Mobility</b>	No further relevant information available.
<b>Alkylamidopropylbetain</b>	
<b>Mobility</b>	No further relevant information available.

TRISODIUM NITRILOTRIACETATE	
Mobility	The product is soluble in water.
12.5. Results of PBT and vPvB assessment	
Ecological information on ingredients.	
Sodium Hydroxide	
Results of PBT and vPvB assessment	Not applicable
Alkylamidopropylbetain	
Results of PBT and vPvB assessment	Not applicable
TRISODIUM NITRILOTRIACETATE	
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
12.6. Other adverse effects	
Ecological information on ingredients.	
Sodium Hydroxide	
Other adverse effects	Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.
Alkylamidopropylbetain	
Other adverse effects	Further ecological information: Chemical Oxygen Demand (COD): 1000000 mg/l Method: DIN 38409 T. 41 Remarks: The product is considered to be weak water pollutant (German law). Do not allow to enter soil, waterways or waste water canal. Ecological data refer to the main components.
TRISODIUM NITRILOTRIACETATE	
Other adverse effects	Not applicable.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods


General information	The packaging must be empty (drop-free when inverted).
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Packaging: Recover and reclaim or recycle. If practical.

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR/RID)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760
UN No. (ADN)	1760



14.2. UN proper shipping name	
Proper shipping name (ADR/RID)	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE
Proper shipping name (IMDG)	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE
Proper shipping name (ICAO)	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE
Proper shipping name (ADN)	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE
14.3. Transport hazard class(es)	
ADR/RID class	8
ADR/RID classification code	C9
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8
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-A, S-B
ADR transport category	3
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>National regulations</b>	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.
<b>EU legislation</b>	Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.
<b>Health and environmental listings</b>	Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).
<b>Water hazard classification</b>	WGK 1

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

<b>General information</b>	PLEASE NOTE: The risk phrases itemised below are those relating to concentrated forms of the raw materials used in this product and are not necessarily applicable to the finished item. Please see Section 2 for the current classification of this product.
<b>Revision date</b>	08/08/2015
<b>Revisions</b>	2
<b>Supersedes date</b>	12/09/2014
<b>Hazard statements in full</b>	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H351 Suspected of causing cancer. H412 Harmful to aquatic life with long lasting effects.

The information provided in this document is based on our present state of knowledge of the product and is given in good faith and to the best of our experience. However, it should not be construed as a technical specification or as guaranteeing specific properties, accuracy, reliability or completeness. In no event we will be responsible for damages or effects of any nature whatsoever, either express or implied, resulting from the use of this information. It is the own responsibility of the dealer and the user of the product to comply with all prevailing and applicable laws, regulations and directives. They should also make their own determination as to the suitability of the product for a particular use or application by carrying out a full risk assessment of their specific processes and systems of work. All information contained within this document is for the product in its undiluted state and relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of Roadcrew's knowledge and belief, accurate and reliable as of the date indicated.