

SAFETY DATA SHEET

GR.555 Reclaim / GRP NRF 40R Tyre Reclaim

Date: 06/2019

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1 IDENTIFICATION OF SUBSTANCE

1.1 Product Identifier:

Identification on the label/ Trade name: GR.555 Reclaim / GRP NRF 40R Tyre Reclaim

1.2 Relevant Identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Production of articles in rubber.

1.2.2 Uses advised against:

Not available

1.3 Details of the Supplier of the material safety data sheet:

J. Allcock & Sons Ltd.,
Textile Street,
West Gorton,
Manchester,
M12 5DL.

Email: ja@allcocks.co.uk
Tel: +44 (0)161 223 7181
Fax: +44 (0)161 223 0173

1.4 Emergency telephone number:

+44 (0)161 223 7181

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

2.1.1 Classification:

Classification according to Directive Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

2.1.2 The most important adverse effects:

2.1.2.1 The most important adverse physicochemical effects:

Not available.

2.1.2.2 The most important adverse human health effects:

Exposure to hot material may cause thermal burns Particulates may scratch eye surfaces/cause irritation.

2.1.2.3 The most important adverse environmental effects:

Not available.

2.2 Label Elements:

Hazard Pictograms:

Not applicable.

Signal Word(s):

Not applicable.

Hazard Statement:

Not applicable.

Precautionary statement:

Not applicable.

2.3 Other hazards

Not available.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance/Mixture:

The product is mixture.

3.2 Ingredients:

Name	CAS No.	EC No.	Index No.	Reach No.	% wt/wt	Classification according to CLP	Classification according to DSD
Natural Rubber	-	-	-	Exempted due to agricultural product.	45	-	-
Carbon black	1333-86-4	215-609-9	-	01-2119384822-32-0052	26	Not classified	Not classified
Reaction mass of buta-1,3-diene rubber	9003-17-2	-	-	Exempted from Registration as it is a polymer	5	-	-
Lubricating oils (petroleum), C20-5-, hydrotreated neutral based, high viscosity	72623-85-9	276-736-3	-	17-2119921918-28-0000	7.5	Not classified (as IP 346 < 3%; > 20.5 mm2/s @ 40°C)	Not classified
Residual Oils (petroleum, solvent refine)	64742-01-4	265-101-6	-	17-2119921918-28-0000	7.5	-	-
Hydrated	1332-58-7	310-194-1	-	Exempted from	3.5	Not classified	Not classified

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Aluminum Silicate (Kaolin)			-	Registration due to its presence in Annex V			
Calcium carbonate	471-34-1	207-439-9	-	05-2117234601-55-0000	3.5	Not classified	Not classified
Sulfur	7704-34-9	231-722-6	016-094-00-1	05-2117230831-52-0000	0.5	Skin Irritation category 2;H315	Xi; R38
Zinc oxide	1314-13-2	215-222-5	030-013-00-7	Impurity < 20%	0.5	Aquatic Acute 1;H400	N; R50-53
Silica, vitreous	60676-86-0	262-373-8	-	05-2117238804-41-0000	0.5	Eye irritation (Category 2) Specific target organ toxicity – single exposure (Category 3) Specific target organ toxicity - repeated exposure (Category 2), Lungs	Not classified

4 FIRST-AID MEASURES

4.1 Description of first aid measures:

- 4.1.1 In case of inhalation:
Move victim to fresh air. If not breathing, give artificial respiration Get medical attention.
- 4.1.2 In case of skin contact:
Immediately wash with plenty of soap and water Get medical attention if irritation occurs.
- 4.1.3 In case of eyes contact:
Immediately flush eyes with running water for at least 20 minutes holding eyelids open Get medical attention.
- 4.1.4 In case of ingestion:
Do not induce vomiting. Give 1-2 glasses of water to a conscious victim. Never give anything by mouth to an unconscious victim. Get medical attention.

4.2 Most important symptoms and effect, both acute and delayed:

Not applicable.

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

Not applicable.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

- 5.1.1 Suitable extinguishing media: Foam.
Dry chemical powder.
Carbon dioxide.
BCF(Where regulations permit)
- 5.1.2 Unsuitable extinguishing media:
None known.

5.2 Specific Hazards arising from the substance or mixture:

Fire/explosion hazard: Emits toxic fumes under fire conditions.
Main combustion gas: carbon monoxide, carbon dioxide gases and oxides of sulfur.

5.3 Advice for fire-fighters:

Alert Fire Brigade and tell them location and nature of hazard.
Wear breathing apparatus plus protective gloves.
Prevent, by any means available, spillage from entering drains or water courses.
Use water delivered as a fine spray to control fire and cool adjacent area.
DO NOT approach containers suspected to be hot.
Cool fire exposed containers with water spray from a protected location.
If safe to do so, remove containers from path of fire.

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6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Wear suitable protective equipment.

6.1.2 For emergency responders:

Remove ignition sources and provision of sufficient ventilation, evacuate the danger area and consult experts.

6.2 Environmental precautions:

Take precautions to prevent entry into waterways, sewers, or surface drainage systems. Dispose according to local or international regulations.

6.3 Methods of containment and cleaning up:

Use appropriate tools to put the spilled solid in suitable container for recovery or disposal, avoid raising dust.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Avoid ingestion, inhalation, skin and eye contact. Minimize dust generation & accumulation.

7.1.2 Advice on general occupational hygiene:

Handle in accordance with good industrial hygiene practice and any legal requirements.

7.2 Conditions for safe storage, including any incompatibilities:

Suitable container: Packing as supplied by manufacturer, lined metal drum. Lined metal safety cans.

Storage incompatibility: Avoid reaction with oxidizing agents.

7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

At this time no TLV has been established, even though this material may produce adverse health effects (as evidenced in animal experiments or clinical experience). Airborne concentrations must be maintained as low as is practically possible and occupational exposure must be kept to a minimum.

Substance	Carbon Black			
CAS No.	1333-86-4			
	Limit value – Eight hours		Limit value – Short term	
	ppm	mg/m ³	ppm	mg/m ³
Australia		3		
Austria				
Belgium		3.5		
Canada - Ontario		3.5		
Canada - Québec		3.5		
Denmark		3.5		7.0
European Union				
France		3.5		
New Zealand		3		
Singapore		3.5		
Spain		3.5		
Sweden		3		
USA - NIOSH		3.5(1)		
USA - OSHA		3.5		
United Kingdom		3.5		7

Substance	Buta-1,3-diene			
CAS No.	106-99-0			
	Limit value – Eight hours		Limit value – Short term	
	ppm	mg/m ³	ppm	mg/m ³
Australia	10	22		
Austria	5	11	20	44
Belgium	2	4.5		

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Canada - Ontario	2			
Canada - Québec	2	4.4		
Denmark	10	22	20	44
Germany (AGS)	2 (1) 0.2 (2)	5 (1) 0.5 (2)		
New Zealand	10	22		
Poland		4.4		
Singapore	2	4.4		
Spain	2	4.5		
Sweden	0.5	1	5	10
Switzerland	5	11		
The Netherlands		46.2		
USA - NIOSH	0.19 LOQ (1)			
USA - OSHA	1		15	
United Kingdom	10	22		

Substance		Kaolin			
CAS No.		1332-58-7			
		Limit value – Eight hours		Limit value – Short term	
		ppm	mgm ³	ppm	mg/m ³
Australia			10 (1)		
Austria					
Belgium			2		
Canada - Ontario			2 (1.2)		
Canada - Québec			5		
Denmark			2 respirable aerosol		4 respirable aerosol
European Union					
France			10 respirable aerosol		
New Zealand			10 (1) 2 (2)		
Singapore			2 respirable aerosol		
Switzerland			3 respirable aerosol		
The Netherlands					
USA - NIOSH			10 total dust 5 respirable fraction		
USA - OSHA			15 total dust 5 respirable dust		
United Kingdom			2 respirable aerosol		

Substance		Calcium Carbonate			
CAS No.		471-34-1			
		Limit value – Eight hours		Limit value – Short term	
		ppm	mgm ³	ppm	mg/m ³
Australia			10 (1)		
Canada - Ontario			10		
France			10 inhalable aerosol		
Hungary			10 inhalable aerosol		
New Zealand			10 (1)		
Poland			10		
Singapore			10 (limestone, marble)		
Switzerland			3 respirable aerosol		
USA - OSHA			15 total dust 5 respirable dust		
United Kingdom			10 inhalable aerosol 4 respirable aerosol		

Substance		Styrene			
CAS No.		100-42-5			
		Limit value – Eight hours		Limit value – Short term	
		ppm	mgm ³	ppm	mg/m ³
Australia		50	213	100	426
Austria		20	85	80	340
Belgium		50	216	100	432
Canada - Ontario		35		100	
Canada - Québec		50	213	100	426
Denmark		25	105	25	105
European Union					
France		50	215	46.6	200
Germany (AGS)		20	86	40 (1)	172 (1)
Germany (DFG)		20	86	40	172
Hungary			50		50
Japan		50			

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New Zealand	50	213	100	426
Poland		50		200
Singapore	50	213	100	426
Spain	20	86	40	172
Sweden	20	90	50	200
Switzerland	20	85	40	170
USA - NIOSH	50	215	100 (1)	425 (1)
USA - OSHA	100		200	
United Kingdom	100	430	250	1080

Substance	Silica, fused respirable dust			
CAS No.	60676-86-0			
	Limit value – Eight hours		Limit value – Short term	
	ppm	mgm ³	ppm	mg/m ³
Australia	(1)			
Austria		0.3		
Belgium		0.1		
Canada - Ontario		0.1 (1)		
Canada - Québec		0.1		
Denmark		0.1		0.2
Germany (AGS)		0.3 respirable aerosol		
Germany (DFG)		0.3 respirable aerosol		
New Zealand		0.2		
Poland				
Singapore		0.1		
Switzerland		0.3 respirable aerosol		
USA - NIOSH		0.05		
United Kingdom		0.08		

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

8.2.2 Individual protection measures:

Eye/face protection:

For open systems where contact is likely wear safety glasses with side shields.

Hand protection:

Where contact may occur with hot materials wear thermal resistant gloves.

Body protection:

Where contact may occur with hot materials wear arm protection and a face shield.

Respiratory protection:

Where overexposure by inhalation may occur and engineering, work practice or other means of exposure reduction are not adequate, approved respirators may be necessary.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:		"Blanket"
Physical state:		Solid
Colour:		Black
Odour:		Characteristic
pH:		Not applicable.
Melting point/range (°C):		Not applicable.
Boiling point/range (°C):		Not applicable.
Flash point (°C):		126
Evaporation rate:		Not applicable.
Flammability (soild,gas):		Not available.
Ignition temperature (°C):		Not available.
Upper/lower flammability/explosive limits:		Not available.
Vapour pressure:	@ 20°C	Not applicable.
Vapour density:		Not applicable.
Relative Density (g cm ⁻³):	@ 25°C	Not available.
Specific Gravity:	@ 60°C	1.15
Solubility:		Insoluble in water.
Auto-ignition temperature (°C):		413
Decomposition temperature (°C):		Not available.
Viscosity (mm ² s ⁻¹ , cSt):	@ 25°C	Not applicable.

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10 STABILITY AND REACTIVITY

10.1 Reactivity:

Not available.

10.2 Chemical stability:

Stable up to 100°C.

10.3 Possibility of hazardous reactions:

Not available.

10.4 Conditions to avoid:

Fire, Heat; Strong acid, alkali and oxidizing agents.

10.5 Incompatible materials:

None.

10.6 Hazardous decomposition products:

Thermal decomposition products: Flammable Hydrocarbons.

11 TOXICOLOGICAL INFORMATION

11.1 Toxicokinetics, metabolism and distribution:

Not available.

11.2 Information on toxicological effects:

Acute toxicity:

Not available.

Skin corrosion/irritation:

Not available.

Serious eye damage/irritation:

Not available.

Respiratory or skin sensitization:

Not available.

Germ cell mutagenicity:

Not available.

Carcinogenicity:

Not available.

Reproductive toxicity:

Not available.

STOT- single exposure:

Not available.

STOT- repeated exposure:

Not available.

Aspiration hazard:

Not available.

Please refer to section 3 for available information on potential health effects

12 ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to section 6 for information regarding accidental releases and section 15 for regulatory reporting information.

13 DISPOSAL CONSIDERATIONS

Product disposal: Observe specific national regulation.
Contaminated packaging: Contaminated, empty containers must be disposed of as applicable.

14 TRANSPORT INFORMATION

14.1 General:

This product is not regulated.

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14.2 UN-no:

Not available.

14.3 Transport hazard class(es)

14.3.1 RID/ADR:

Not available.

14.3.2 IMDG:

Not available.

14.3.3 IATA/ICAO:

Not available.

15 REGULATORY INFORMATION

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

15.1.1. EU-Regulations

This safety data sheet is in compliance with the following EU legislation and its adaptations – as far as applicable - 67/548/EEC, 1999/45/EC, Regulation (EC) No 1272/2008, Regulation (EC) No. 453/2010; Regulation (EC) No 1907/2006, 98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC and 1999/13/EC.

15.1.2. International/National regulations

No data available.

15.2 Chemical safety assessment:

Chemical safety assessments for substances in this mixture were not carried out.

16 OTHER INFORMATION

16.1 Indication of changes:

No data available

16.2 Key literature references and sources for data:

ESIS (European chemical Substances Information System), <http://esis.jrc.ec.europa.eu/>
- REACH registered chemicals, http://echa.europa.eu/chem_data_en.asp
- IFA GESTIS - International limit values for chemical agents - occupational exposure limits (OELs),
http://www.dguv.de/ifa/en/gestis/limit_values/index.jsp

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For any further information please contact **J. Allcock & Sons Ltd.**