



SAFETY DATA SHEET

355 ADHESIVE
 (Renthal Grip Glue)

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME 355 ADHESIVE (Renthal Grip Glue)

Application Adhesive

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2 HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes and skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

CLASSIFICATION Xi;R36/38. F;R11. N;R50/53. R67.

PHYSICAL AND CHEMICAL HAZARDS

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Irritating and degreasing to skin.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ACETONE	200-662-2	67-64-1	10-30%	F;R11 Xi;R36 R66 R67
CYCLOHEXANE	203-806-2	110-82-7	30-60%	F;R11 Xn;R65 Xi;R38 R67 N;R50/53
ETHYL ACETATE	205-500-4	141-78-6	10-30%	F;R11 Xi;R36 R66 R67
HEPTANE	205-563-8	142-82-5	1-5%	F;R11 Xn;R65 Xi;R38 R67 N;R50/53
HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6))			1-5%	F;R11 Xn;R65 Xi;R38 R67 N;R51/53
HEXANE-norm	203-777-6	110-54-3	< 1%	F;R11 Repr3;R62 Xn;R65,R48/20 Xi;R38 R67 N;R51/53
METHYLCYCLOHEXANE	203-624-3	108-87-2	< 1%	F;R11 Xn;R65 Xi;R38 R67 N;R51/53
PENTANE	203-692-4	109-66-0	< 1%	F+;R12 Xn;R65 R66 R67 N;R51/53
ROSIN	232-475-7	8050-09-7	< 1%	R43
ZINC OXIDE	215-222-5	1314-13-2	< 1%	N;R50/53

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention.

INGESTION

DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Get medical attention immediately!

SKIN CONTACT

Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water.

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EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers.

UNUSUAL FIRE & EXPLOSION HAZARDS

Solvent vapours may form explosive mixtures with air. **HIGHLY FLAMMABLE!**

SPECIFIC HAZARDS

In case of fire, toxic gases may be formed.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Do not smoke, use naked flames or other sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Take precautionary measures against static discharges. Use protective gloves, goggles and suitable protective clothing.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

SPILL CLEANUP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Dam and absorb spillages with sand, earth or other non-combustible material. Dispose as hazardous Waste.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Take precautions against static discharges. All transfer equipment must be explosion proof Do not eat, drink or smoke when using the product. Do not use in confined spaces without adequate ventilation and/or respirator. Observe workplace exposure limits and minimise the risk of inhalation of vapours and mist.

STORAGE PRECAUTIONS

Do not store near heat sources or expose to high temperatures. Store in tightly closed original container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ACETONE	WEL	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3	
CYCLOHEXANE	WEL	100 ppm	350 mg/m3	300 ppm	1050 mg/m3	
ETHYL ACETATE	WEL	200 ppm		400 ppm		
HEPTANE	WEL	500 ppm				
HEXANE-norm	WEL	20 ppm	72 mg/m3			
PENTANE	WEL	600 ppm	1800 mg/m3			

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT

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Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Protective gloves must be used if there is a risk of direct contact or splash.

EYE PROTECTION

Use approved safety goggles or face shield.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous liquid		
COLOUR	Amber		
ODOUR	Fruity.		
VOLATILITY DESCRIPTION	Highly volatile.		
BOILING POINT (°C)	55°C	MELTING POINT (°C)	N/A
RELATIVE DENSITY	0.85 - 0.89 approx	VOLATILE BY VOL. (%)	66
VISCOSITY	2800 - 3000cPs @20°C	FLASH POINT (°C)	-18°C
AUTO IGNITION TEMPERATURE (°C)	540°C	SOLUBILITY VALUE (g/100g H2O@20°C)	.

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

HAZARDOUS POLYMERISATION

Unknown.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION**GENERAL INFORMATION**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION

Vapours may cause drowsiness and dizziness.

INGESTION

Irritating. May cause nausea, stomach pain and vomiting.

SKIN CONTACT

Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking.

EYE CONTACT

Irritating and may cause redness and pain. Risk of corneal damage.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

No data on possible environmental effects have been found.

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MOBILITY

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

DEGRADABILITY

There are no data on the degradability of this product.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

Waste Code

Hazardous waste

14 TRANSPORT INFORMATION



UKRoadClass	3		
ShippingName	ADHESIVES		
UN NUMBER	1133	UKRoadPackGroup	III
ADR Class	3		Class 3: Flammable liquids.
ADR Item No	III	HAZARD No. (ADR)	30
ADR LABEL NO.	3	HAZCHEM CODE	3Y
CEFIC TEC(R) NO.	30GF1-III, 30GF1-sp	RID CLASS NO.	3
RID PACK GROUP	III	UN No Sea	1133
Sea Class	3	Sea Packing Group	II
EMS No	F-E, S-D	MFAG	See Guide
Marine Pollutant	No.	UN Air	1133
Air Trans Class	3	Air Packing Group	III

15 REGULATORY INFORMATION

SYMBOLS



Irritant



Highly Flammable



Dangerous for the environment

RISK PHRASES

R11	Highly flammable.
R36/38	Irritating to eyes and skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S21	When using do not smoke.

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S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29	Do not empty into drains.
S35	This material and its container must be disposed of in a safe way.
S37	Wear suitable gloves.
S41	In case of fire and/or explosion do not breathe fumes.
S43	In case of fire, use alcohol-resistant foam, carbon dioxide or dry powder. Never use water.
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S24/25	Avoid contact with skin and eyes.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
S64	If swallowed, rinse mouth with water (only if the person is conscious).
P14	Contains ROSIN. May produce an allergic reaction.

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION DATE 13.08.10

REV. NO./REPL. SDS GENERATED 4

SDS NO. 10608

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R12	Extremely flammable.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R62	Possible risk of impaired fertility.
R66	Repeated exposure may cause skin dryness or cracking.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

This information 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 the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.