TRADE GRADE PRODUCTS LTD

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

Product name	Web Tack Non-Chlorinated
Supplier	Trade Grade Products Limited
Address	2 Thorne Way Woolsbridge Industrial Park Three Legged Cross Wimborne Dorset BH21 6FB
Emergency telephone number	01202 820177

2. Composition / Information on Ingredients.

Material description	Einecs No.	CAS No.	% Content	Health (class)	Risk (R No.)
Solvent naptha (Petroloeum) Hydrotreated	295-529-9	92062-15-2	15 – 30	F+, Nx, N	R12, R38, R51/53, R65
Acetone	200-662-2	67-64-1	15 – 30	F, Xi	R11, R36, R66, R67
Propane	200-827-9	74-98-6	15 – 30	F+	R12
Butane / Isobutane	203-448-7	106-97-8	15 – 30	F+	R12

3. Hazards Identification.

Pressurised container. Extremely flammable. In use, may form flammable / explosive vapour-air mixture. Vapours may cause drowsiness and dizziness. Harmful to aquatic organisms, may cause a long term adverse effect in the aquatic environment. Solvent abuse can kill instantly.

4. First Aid Measures.

Inhalation	If vapour has been inhaled in high concentrations move the affected person to fresh air, keep them warm and allow to rest. If the is difficulty breathing medical attention should be sought immediately.
Skin	Vapour and liquid are moderate skin irritants. Prolonged or repeated contact can give rise to severe irritation or cause dermatitis. Remove contaminated clothing immediately. Rinse affected skin with plenty of soap and water, using a mild cleaning agent. If irritation persists obtain medical attention.
Eye	Vapour can irritate the eyes and splashed liquid can cause irritation and transient, mild conjunctivitis. Immediately flush eyes with running water for at least 15 minutes without interruption. Obtain medical attention.
Ingestion	**DO NOT INDUCE VOMITING.** The main hazard of swallowing Acetone is aspiration in to the lungs and consequent chemical pnuemonitis. Obtain medical attention urgently.

5. Fire-fighting Measures.

Extinguishing media	Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.
Exposure hazard	Extremely flammable. In combustion emits toxic fumes. Vapour may travel considerable distance to source of ignition and flash back. Forms explosive air-vapour mixture.

Special fire-fighting procedures	Water may be ineffective but can be used to keep fire-exposed containers cool. If a leak or spill has not ignited; use water spray to disperse vapours and protect workers stopping the leak. Water spray may be used to flush spills away and dilute spills to non-flammable mixtures. Use water spray to reduce vapours. Warn fire fighters that aerosols are involved.
Personal protection	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures.

Personal protection	Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Provide as much ventilation as possible.
Environmental precautions	Prevent the liquid entering drains, sewers or waterways. If the substance enters drains, sewers, etc inform the police or fire service.
Clean up of spillages	Absorb liquid in sand or earth and then remove to a suitable place for subsequent disposal.

7. Handling and Storage.

Handling	Ensure there is sufficient ventilation of the area. Smoking is forbidden. Avoid direct contact with the substance. Use non-sparking tools.
Storage	Store in accordance with the Highly Flammable Liquids Regulations. Keep containers tightly closed and dry. Avoid temperatures below 10°C and above 25°C.
Packaging materials	Must only be kept in original packaging.

8. Exposure Controls / Personal Protection.

Exposure limits	STD	Long term (8 hrs)	Short term (15 min)	
Solvent naptha	MAN	1200mg/m³		
Acetone	OES	500ppm	1500ppm	IOELV
Propane		Asphyxiating	Asphyxiating	
Butane / Isobutane	OES	600ppm	750ppm	

IOELV = Indicative Occupational Exposure Limit Value

Ventilation	Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
Respiratory protection	Wear respiratory protection where there is a risk of exposure to concentrations above OEL (occupational exposure limit).
Hand protection	Wear plastic or rubber gloves.
Eye protection	Wear chemical resistant goggles.
Skin protection	Wear protective clothing.

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9. Physical and Chemical Properties.

Appearance	Aerosol canister containing a mixture of active ingredients, solvents and propellants.	
Odour	Solvent.	
Flash point	< -40°C (Butane / Isobutane)	
Flammability	Extremely flammable	
Auto ignition temperature	> 410°C	
Explosive limits in air % v/v	Lower Upper	1.8% 9.5%
Solubility	Insoluble in water. Soluble in organic solvents.	

10. Stability and Reactivity.

Conditions to avoid	Avoid open flames, welding arcs or other high temperature sources which include thermal decomposition.
Materials to avoid	Oxidising agents.
Hazardous decomposition hazards	Thermal decomposition products may include hydrogen chloride.

11. Toxicological Information.

Health warnings	Vapour concentrations above the recommended exposure level are irritating to the eyes and respiratory tract, may cause headaches and dizziness, are anaesthetic and may cause central nervous system effects. Concentrating and inhaling the gas/vapour can lead to abnormal heart rhythms and possibly death.
Eye contact	May cause conjunctive irritation and corneal damage.
Skin contact	Mild irritant but prolonged contact can cause more severe effects such as dermatitis and skin cracking.
Inhalation	Irritation of the respiratory tract.

12. Ecological Information.

This product has not been tested; but contains ingredients which are toxic or very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. During normal use the volatility of the components and the packaging form, pressurised container, make entry into the aquatic environment unlikely, however, do not empty or discharge into drains, sewers or watercourses. Ensure the container is empty before disposal to prevent contents entering watercourses.

13. Disposal Consideration.

Disposal of the product is governed by the Control of Pollution (Special Wastes) Regulations 1980. Non-recoverable waste should be disposed of via a licensed waste disposal contractor. Do not pierce or incinerate even when the container is empty.

14. Transport Information.

This product is packed in accordance with the limited quantity provisions of CDG-CPL2, ADR and IMDG. The provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30Kg gross weight to be exempt from control providing they are labeled in accordance with the requirements of those regulations to show that they are transported as Limited Quantities. Aerosols not so packed will have to show the following.

ADR / RID

UN no:	1950	**ADR Class:**	2.1
Packing group:	II		
Labelling:	2.1	**Label model number**	3
Shipping name:	Flammable Gas (Class 2)		

IMDG / IMO

UN no:	1950	**Class:**	2.1
Packing group:	II	**IMDG Page**	2102

IATA / ICAO

UN no:	1950	**Class:**	2

15. Regulatory Information.

CHIP Label for supply

EXTREMELY FLAMMABLE

CHIP Risk phrases	R12	Extremely flammable.
	R52/53	Harmful to aquatic organisms, may cause a long term adverse effect in the aquatic environment.
	R67	Vapours may cause drowsiness or dizziness.
CHIP Safety phrases	S2	Keep out of reach of children.
	S9	Keep containers in a well ventilated place.
	S16	Keep away from sources of ignition. NO SMOKING.
	S23	Do not breathe vapour/spray.
	S25	Avoid contact with eyes.
	S29	Do not empty into drains.
	S33	Take precautionary measures against static discharges.
	S51	Use only in well ventilated areas.
	S60	This material and its container must be disposed of as hazardous waste.

Regulatory references

CHIP Regulations 1996.
Health and Safety at Work Act 1974.
COSHH Regulations 1994.

16. Other Information.

Other information

This product should be used in accordance with the supplier's recommendations.

The information provided in this data sheet is based on our current knowledge of the product and is intended to describe it for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Revision date

May 2004