

Material Safety data sheet TOUCH – Strong Bond

1 Elements identifying the substance or preparation and the company

Commercial name: **Hot Shot**
Sales code/packaging: 56115005/250 ml bottle under pressure

Manufacturer/supplier:

UNICOMPANY S.p.a. - Via Pontina vecchia km 33,600 Ardea (Rome)

Telephone number for urgent calls to the company and/or to an official consultancy body:

UNICOMPANY S.p.a. - Tel. +39 069145177

Technical person who is responsible for writing MSDS:

ntravaglini@unicompany.it

2 Hazard identification

Symbol of dangerousness



F+ (EXTREMELY FLAMABLE)

H222: Extremely flammable aerosol.

H229: Pressurized container: May burst if heated.

P251: Pressurized container: Do not pierce or burn, even after use.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P102: Keep out of reach of children.

P261: Avoid breathing spray

Effects on human health:

Ingestion : not applicable for this specific use.

Inhalation : if a large quantity is inhaled, or in the case of intense and prolonged exposure there may be drowsiness, dizziness, breathing difficulty with possible loss of consciousness, due to hypoxic hypoxia.

Skin contact: if sprayed directly and at length (extremely improper use), there may be irritation and reddening with dryness.

Eyes contact: spraying directly into eyes (extremely improper use) may cause serious irritation, tearing, reddening, risk of serious injury to the eye.

Environmental effects: Dispersion of this product in the environment does not damage ozone.

3 Composition/information on ingredients

Description: Mixture of resins in alcoholic solution

Ingredients (according to INCI nomenclature):

ALCOHOL DENAT., BUTANE, PROPANE, ISOBUTANE, ACRYLATES/T-BUTYLACRYLAMIDE COPOLYMER, AMINOMETHYL PROPANOL, OLEA EUROPAEA LEAF EXTRACT, HORDEUM VULGARE SEED EXTRACT, GLYCERIN, PEG/PPG-18/18 DIMETHICONE, ISOPROPYL MYRISTATE, PVP, PARFUM, CITRONELLOL.

Dangerous substances:

| Quantity | N.67/548/CE | CAS | Name/classification | Symb | R.Phrases |
|----------|-------------|----------|--------------------------------|------|-----------|
| 25-26 % | 200-857-2 | 72-28-5 | mixture of liquefied petroleum | F+ | 12 |
| | 203-448-7 | 106-97-8 | isobutane, butane,propane | F+ | 12 |
| | 200-827-9 | 74-98-6 | | F+ | 12 |
| 38-40% | 200-578.6 | 64-17-5 | ethyl alcohol | F | 11 |

4 First aid measures

Ingestion: not applicable for this specific use.

Inhalation: Breathe fresh air, oxygen therapy if necessary, keep patient warm; medical intervention if there are respiratory symptoms.

Skin contact: Immediately remove all contaminated clothing, wash with abundant water, consult a doctor if necessary

Eyes contact: Rinse immediately with abundant water for at least 10 minutes with eyelids open; for serious cases, consult an oculist.

First aid material to be kept on hand: N.C.

5 Fire fighting measures

Suitable extinguishing methods: dust, alcohol-resistant foam, nebulized water, CO₂.

Unsuitable extinguishing methods: None

Exposure risks: . Products contains a highly inflammable propellant gas, heavier than air that can spread on ground level during a fire and can develop fumes containing CO₂ ,CO, HCl.

Precautionary measures : If possible, without taking risks, remove containers exposed to fire, or cool them with jets of water to avoid overheating with the consequent risk of explosion wich would release more gas; make sure that the fire is no longer fed. Consult specifications of other products in storage.

Protective equipment : Evacuate all unnecessary persons; fire-fighting personnel should remain only if absolutely necessary; before taking action, wear aqualung and suitable protective garments.

6 Accidental release measures

Personal precautions : Considering the type of container, accidental dispersion of the product is quite unlikely.

Measure for cleaning up spillage : In the case of small leaks due to accidental piercing of aerosol cans, if possible, block the leak with sand, pick up the product with mechanical means and place in closed receptacles, suitably labelled for subsequent disposal. Dispose of according to binding state and local regulations. Do not mix with other waste material. For disposal instructions, consult local authorities. Wash residues well first with soap and water, then with water (cf. section 13)

Enviromental precautions : Considering the type of container, dispersion of considerable amounts is highly unlikely, nevertheless if this should happen, prevent contamination of sewers, drainage canals and streams and, if necessary, notify the competent authorities immediately.

7 Handling and storage

HANDLING : THERE ARE NO PARTICULAR PRECAUTIONS NECESSARY IN HANDLING THE AEROSOL CANS. COMPLY WITH CURRENT LEGISLATION REGARDING CLEANING, SAFETY AND HYGIENE ON THE WORK SITE (CF. ALSO SECTIONS 3 AND 4). READ THR PRODUCT LABEL CAREFULLY.

Storage: Store in a cool, well windy room, out of the sun, at temperatures not exceeding 40°C. Avoid keeping near sourcing of ignition (cf. anche also section 10).

Special use:: Not provided for

8 Checking individual protection/exposure

Exposure limits:

VLE (RFT): 1.000 ppm = 2.350 mg/m³ (n-butane).

VLE (RFT): 1.000 ppm = 1.800 mg/m³ (n-butane).

VLE (RFT): 1.000 ppm = 2.350 mg/m³ (isobutane).

TLV - TVA: 50 ppm - 174 mg/m³ (dichlorometane)

Exposure control:

Professional exposure control: not required for this specific use.

Respiratory protection: not required for this specific use in the recommended doses.

not required for this specific use.

Hand protection : not required for this specific use.

Eyes protection : not required for this specific use.

Skin protection: not required for this specific use

Enviromental exposure control:N.C.

9 Physical and chemical properties

Appearance and colour: Airtight banded metal container, inder pressure
Odour: Perfumed, floral or fruit note.

pH(product as is): N.A.

Boiling point: N.A.

Flammability point: inflammable

Flash point: extrememy inflammable

Properties supporting combustion: NO

Vapour pressure: From 1.1 bar (related to n-butane)to7 barrelated to propane.

Explosive properties: yes (see point 9.3.2.)

Relative density 0.76 ca

Solubility: <0.1 g/l (in water at 20°C)

Vapour density: N.C.
Viscosity: N.C.
Evaporation speed: N.D.
Partition coefficient P (n-octanol/water) : N.D.
Other information.

Miscibility: N.C.
Explosiveness limits (% in vol.): Lower 1.8% - upper 9.5%(referred to ethanol).
Conductivity: N.A.
Decomposition temperature: N.A.
Danger of explosion : NO
Autoignition temperature: 400°C ca

10 Stability and reactivity

Condition to avoid :Heat/sources of heat,direct sunlight,temperatures above 50°C

Materials to avoid : N.C.

Dangerous decomposition products : None. Decomposition temperature: >400 °C

11 Toxicological information

Acute oral toxicity: N.C.

Acute skin toxicity: N.C.

Primary acute irritation: N.C.

Primary eye irritation: Irritating if sprayed directly into eyes.

Chronic toxicity: N.C.

Sensitising effects: N.D.

Eyes contact: Can cause serious eye irritation

Skin contact: If the product is sprayed directly on the skin from a short distance, it can cause irritation if contact is prolonged and/or repeated, especially on more delicate skin.

Ingestion: Considering the type of the container, accidental ingestion is quite unlikely

Inhalation: Massive inhalation can produce narcotic effects.

12 Ecological information

Eco-toxicity: ... Product component are not classified as dangerous for the ozone layer.

Mobility: Rapid evaporation: $t_{1/2}$ life =3-5.6 h (referred to dichloromethane)

Persistence and degradability: Data referred to dichloromethane:

Water: 5-26% after 28 d; biodegradable in the presence of suitable micro organisms, 99.7% after 60 d

Photochemical Ozone Creation Potential: ODP (R-11=1)= negligible

Halocarbon Global Warming Potential: HGWP (R-11=1) =0.0035

Water toxicity: not very harmful to fish, CL50 96h = (193-510 mg/l)

Long term toxicity: fish (growth inhibition): CEO 32 d (Primephales promelas)= 83 mg/l

Practically not bioaccumulable - logPow= 1.3 (referred to dichloromethane)

Bio- accumulation potential: N.C.

13 Notes on waste disposal

Waste treatment : The product to be disposed of is considered special waste, and as such it must be disposed of either in a suitable purification plant or turning it over to a third party; all in compliance with binding national/local legislation.

Dispose of properly after use.

Container treatment: Do not puncture or burn after use

Data referred to dichloromethane.

Purification system: Behaviour in residue water treatment plants: test for respiration inhibition of active mud: CE50 30 min >1000 mg/l

14 Transport information

ONU number : UN 1950, flammable AEROSOL, 2.1

ADR/RID rail/road transport: UN 1950 ,flammable AEROSOL 2.1

ICAO/IATA air transport: UN 1950, flammable AEROSOLS, 2.1

IMDG/IMO marine transport: UN 1950, flammable AEROSOL, 2.1

15 Information on regulations

According to laws 3/02/97 n° 52, 16/07/98 n° 285, Directive 1999/45/EC and subsequent updates on labelling dangerous substances and preparations. This product, on the basis of the above mentioned legislative references and on the basis of the content in GPL, is classified as « **highly flammable** ».

Danger symbol:



F+ (EXTREMELY FLAMMABLE)

Legislative reference list:

- a. Regulation (EC) 1223/2009 of the European Parliament (law on cosmetics)
- b. Regulation (EC) 1907/2006 of the European Parliament (REACH)
- c. Regulation (EC) 1272/2008 of the European Parliament (CLP)
- d. Directive 1999/45/EC and subsequent amendments to the classification, packaging and labeling of dangerous preparations of mixtures
- e. Directive 67/548/EEC (Directive mother on the classification, packaging and labeling of dangerous substances) and subsequent amendments and adjustments (technical XXIX ° adaptation implemented in Italy by Decree 28 February 2006)
- f. Directive 98/24/EC on the protection of health and safety of workers from risks related to chemical agents at work
- g. Directive 89/686/EEC, as amended by Regulation (EC) No. 1882/2003
- h. Directive 94/55/EC on the carriage of dangerous goods by road (ADR) as amended by 2004/111/CE9.
- i. Directive 96/49/EC on the Transport of Dangerous Goods by Rail (RID) as amended by 2004/110/CE10.
- j. Decree 9 April 2008, No. 81 - Health and safety at work
- k. Decree 152/2006 on environmental standards, as amended by Decree 16 January 2008, No. 4

16 Other information

It is advisable for the persons in charge to inform personnel periodically about the specific risks involved in using the product.

Read product label attentively, follow the instructions for use and recommendations.

Do not use the product improperly.

Provided are the phone numbers of poison treatment centres, operating 24 hours a day, in Italy (Internet source: <http://www.tin.it/anriucsc/cav/cavitalia.htm/>).

A. GEMELLI POLYCLINIC -ROME TEL. 06/3054343. -- NIGUARDA CA' GRANDA HOSPITAL-MILAN TEL. 02/66101029. -- VITO FAZZI HOSPITAL -LECCE TEL. 0832/665374. -- UNIVERSITY OF TURIN POISON TREATMENT CENTRE -TURIN TEL. 011/6637637. - TOXYCOLOGY UNIT EMERGENCY ROOM -BOLOGNA TEL. 051/333333. -CARDARELLI HOSPITAL POISON TREATMENT CENTRE -NAPLES TEL. 081/7472870. -S. MARTINO

HOSPITAL POISON TREATMENT CENTRE -GENOA TEL. 010/352808. - MUNICIPAL HOSPITAL POISON PREVENTION CENTRE -PORDENONE TEL. 0434/550301.

The information drawn up by our technical staff and shown on this sheet is the best in our possession regarding accuracy and reliability, at the date of the latest revision, and is not exhaustive. All instructions, recommendations or suggestions are provided without guarantee. UNICOMPANY S.p.A. decline all responsibility for loss or damage consequent to the use of the information or suggestions shown here, since this conditions of use are not within their control. Furthermore all responsibility is declined if the use of the product, on the basis of the information shown above, violates any patent or license.

In any case, the user is held to respect all the norms and legal and administrative regulations regarding the product, safety, hygiene, prevention and protection of human health and the environment.

For further information please contact in writing or by phone: UNICOMPANY S.p.A. - Via Pontina Vecchia, Km 33,600 - 00040 ARDEA - ROMA tel. 06/9145177 -

Legend : N.A. = not applicable/not pertinent ; N.C. = not classified/not relevant ; N.D. = not determined/not determinable; N.R. = not available.

The data provided is based on our current knowledge, and in no way guarantees the product characteristics or gives support to any legal contractual relations.

DATA SHEET REALIZED BY: UNICOMPANY S.p.a.

This data sheet substitutes all previous versions

PREVIOUS REVISION: