

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

18003
02 00

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SECTION 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1. PRODUCT IDENTIFIER

18003
HI-TECH Extra Foamy Professional Strength Cleaner UN1950

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Multi-Purpose Cleaner

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Mfd. for HI-TECH INDUSTRIES, INC.
19270 W. Eight Mile Rd.
Southfield, MI 48075
telephone: 248 358-5533

1.4. INFOTRAC EMERGENCY TELEPHONE NUMBER: 800 535-5053

SECTION 2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

None

2.2. LABEL ELEMENTS

None

R – PHRASES

None

S – PHRASES

S16 Keep away from sources of ignition - No smoking.
S2 Keep out of the reach of children.
S36/37 Wear suitable protective clothing and gloves.
S46 If swallowed, seek medical advice immediately and show this container or label.
S9 Keep container in a well-ventilated place.

Hazardous Ingredients

None

Supplemental Label Elements

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
3% by mass of the contents are flammable.

2.3. OTHER HAZARDS

Not Available

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

Not Available

3.2. MIXTURES

% by Weight	CAS Number	EC Number	REACH	EC CLASSIFICATION (67/548/EC, 1272/2008/EC)
1 - 2,5	106-97-8	203-448-7		F+;R12
	Butane			Flam. Gas 1 H220, Press. Gas
1 - 2,5	111-76-2	203-905-0	01-2119475108-36	Xn;R20/21/22 Xi;R36/38
	2-Butoxyethanol			Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315

For the full text of the H-Statements and R-phrases mentioned in this section, see Section 16.

SECTION 4. FIRST-AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

Never give anything by mouth to an unconscious person.

If unconscious place in recovery position and seek medical advice.

EYES: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

SKIN: Remove contaminated clothing.
Wash skin thoroughly with soap and water or use recognised skin cleanser.
Do NOT use solvents or thinners.
Launder clothes before reuse.

INHALATION: Remove to fresh air, keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration. Obtain medical attention.

INGESTION: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Keep at rest.
Do NOT induce vomiting.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

In all cases of doubt, or when symptoms persist, seek medical attention.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Not Available

SECTION 5. FIRE-FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Cool closed containers exposed to fire with water.

Do not allow run-off from fire fighting to enter drains or water courses.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

5.3. ADVICE FOR FIREFIGHTERS

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Cool closed containers exposed to fire with water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Remove all sources of ignition. Ventilate the area.

Follow protective measures listed in Sections 7 and 8.

6.2. ENVIRONMENTAL PRECAUTIONS

Do not allow product to enter drains or waterways.

If the product enters drains or sewers, notify the local water authorities; in the case of contamination of streams, rivers or lakes contact the environmental authorities.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4. REFERENCE TO OTHER SECTIONS

Refer to emergency contacts in Section 1. Refer to protective measures in Section 8. For the waste regulations see Section 13.

SECTION 7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.

Use only with adequate ventilation.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Wash hands after using.

Keep out of the reach of children.

Do not take internally.

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Use approved Bonding and Grounding procedures.

Ground containers during transfer operations and use only suitable containers for flammable liquids.

- Strong vigorous stirring or flow of the liquid through piping and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product.
- Open containers with caution because they may be under pressure.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

7.3. SPECIFIC END USE(S)

Not Available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

EH40/2005 WELs (UK 1/2012)

CAS Number	Ingredient	STEL		TWA	
		PPM	MG/M3	PPM	MG/M3
106-97-8	Butane	GB	750	1810	600
				1450	
111-76-2	2-Butoxyethanol	GB	50	246	25
				123	Possibility of significant uptake through the skin

8.2. EXPOSURE CONTROLS

8.2.1. APPROPRIATE ENGINEERING CONTROLS

Provide adequate ventilation.

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

8.2.2. INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 3) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 3, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction).

A) EYE/FACE PROTECTION

Wear safety spectacles with unperforated sideshields.

B) SKIN PROTECTION

I) HAND PROTECTION

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

Gloves are not required for normal application of aerosol product where minimal skin contact is expected. For long or repeated contact wear a chemical resistant glove recommended by the European Solvent Industry Group (ESIG) and tested to EN-374-3.

II) OTHER

None

C) RESPIRATORY PROTECTION

If this product contains ingredients with exposure limits, workplace and/or biological monitoring may be required to determine the necessity for and effectiveness of the ventilation equipment, personal protective equipment, and other control measures. Refer to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and to national guidance documents for methods used for the determination of hazardous substance exposure.

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator.

We recommend either of the following:

- a half-mask respirator of type FFA2P3D EN 405 : 2001 + A1 : 2009

- a half-mask respirator with filters in accordance with EN140. For gases and vapours, use filters in accordance with A2 EN141 + EN 14387 : 2004 for protection against materials in Section 3.

When sanding or abrading the dried film, wear a EN 143 P2 dust/mist respirator tested in accordance with EN 14387 for dust which may be generated from this product, underlying paint, or the abrasive.

D) THERMAL HAZARDS

Not Available

8.2.3. ENVIRONMENTAL EXPOSURE CONTROLS

Not Available

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	
ODOUR	Paint	
ODOUR THRESHOLD	Not tested due to nature of the product.	
pH	11.4	
MELTING POINT	Not Available	
BOILING POINT	0 - 172 °C	33 - 343 °F
FLASH POINT	-29 °C	-20 °F
EVAPORATION RATE	Faster than ether	
FLAMMABILITY	Not tested due to nature of the product.	
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	10.6% / 1.1%	
VAPOUR PRESSURE	Not tested due to nature of the product.	
VAPOR DENSITY	Heavier than air	
RELATIVE DENSITY	0.98	
SOLUBILITY(IES)	Not tested due to nature of the product.	
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not tested due to nature of the product.	
AUTO-IGNITION TEMPERATURE	Not tested due to nature of the product.	
DECOMPOSITION TEMPERATURE	Not tested due to nature of the product.	
VISCOSITY	Not tested due to nature of the product.	
EXPLOSIVE PROPERTIES	Not tested due to nature of the product.	
OXIDISING PROPERTIES	Not tested due to nature of the product.	
PRODUCT WEIGHT	974 g/l	8.14 lb/gal
VOLATILE VOLUME	99%	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)	Less Water and Federally Exempt Solvents	
	Volatile Weight 4.80%	

9.2. OTHER INFORMATION

Not Available

SECTION 10. STABILITY AND REACTIVITY

10.1. REACTIVITY

None known.

10.2. CHEMICAL STABILITY

Stable

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

None known.

10.4. CONDITIONS TO AVOID

None known.

10.5. INCOMPATIBLE MATERIALS

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity

CAS Number	EC Number	Substance Name/Test Data
106-97-8	203-448-7	Butane Inhalation LC50 Rat 658 mg/L 4 h
111-76-2	203-905-0	2-Butoxyethanol Inhalation LC50 Rat 2.21 mg/L 4 h; Inhalation LC50 Rat 450 ppm 4 h; Oral LD50 Rat 470 mg/kg; Dermal LD50 Rat 2270 mg/kg; Dermal LD50 Rabbit 220 mg/kg

Skin Corrosion/Irritation

Not Available

Serious Eye Damage/Irritation

Not Available

Respiratory/Skin Sensitization

Not Available

Germ Cell Mutagenicity

Not Available

Carcinogenicity

Not Available

Reproductive Toxicity

Not Available

Aspiration Hazard

Not Available

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE**EYES:** None generally recognized.**SKIN:** Prolonged or repeated exposure may cause irritation.**INHALATION:** None generally recognized.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Prolonged overexposure to hazardous ingredients in Section 3 may cause adverse chronic effects to the following organs or systems:

- the liver
- the urinary system
- the hematopoietic (blood-forming) system

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

SECTION 12. ECOLOGICAL INFORMATION**12.1. TOXICITY**

CAS Number	EC Number	Substance Name/Test Data
111-76-2	203-905-0	2-Butoxyethanol 96 Hr LC50 <i>Lepomis macrochirus</i> : 1490 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 2950 mg/L 24 Hr EC50 <i>Daphnia magna</i> : 1698 - 1940 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : >1000 mg/L

Not Available

12.3. BIOACCUMULATIVE POTENTIAL

Not Available

12.4. MOBILITY IN SOIL

Not Available

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

Not Available

12.6. OTHER ADVERSE EFFECTS

Not Available

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods****Methods of Disposal**

Do not allow product to enter drains or waterways.

European Waste Catalogue (EWC)

08 01 12: Waste paint and varnish other than those mentioned in 08 01 11

Type of Packaging

15 01 04(metal)

15 01 02 (plastic)

Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself.

Contaminated Packaging

15 01 10

Dispose of as unused product.

Do not burn, or use a cutting torch on, the empty drum.

Do not re-use empty containers.

Thermoset Plastic Waste

Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself.

SECTION 14. TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number	UN1950	UN1950	UN1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS, NON-FLAMMABLE
14.3 Transport hazard class(es)	2.2	2.1	2.2
14.4 Packing group	Not Applicable	Not Applicable	Not Applicable
14.5 Environmental hazards	Not Applicable	Not Applicable	Not Applicable
14.6 Special precautions for user	<u>Classification Code</u> Not Applicable <u>Transport Category</u> Not Applicable <u>ADR Tunnel Code</u> D	<u>Emergency schedules (EmS)</u> LIMITED QUANTITY, EmS F-D, S-U May be shipped as Limited Quantity	LIMITED QUANTITY
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable	Not Applicable	Not Applicable
14.8 Technical Names	Not Applicable	Not Applicable	Not Applicable

SECTION 15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. 3% by mass of the contents are flammable.

Total volatile organic compounds (VOC): 4.80 %

Total volatile organic carbon: 3.57 %

For Italian Customers only – Classes of solvents according to Italian Legislative Decree 152/06 (Table D, Part II, Annex I)

Classification %
3 1.8

15.2. CHEMICAL SAFETY ASSESSMENT

Not Available

SECTION 16. OTHER INFORMATION

FULL TEXT OF R – PHRASES REFERENCED IN SECTION 3.

(67/548/EC, 1272/2008/EC)

- R12 Extremely flammable.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R36/38 Irritating to eyes and skin.
- H220 Extremely flammable gas.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.

16.1. CHANGES SINCE LAST REVISION

INITIAL PUBLICATION.

BIBLIOGRAPHY:

Directive 1999/45/EC, and relative amendments & additions
Directive 67/548/EEC, and relative amendments & additions
Directive 96/82/EC, and relative amendments & additions
Directive 1999/45/EC, and relative amendments & additions
Directive 91/156/EC, and relative amendments & additions
Directive 2000/39/EC, and relative amendments & additives
Regulation (EC) No. 1907/2006, and relative amendments & additions
Regulation (EC) No. 1272/2008, and relative amendments & additions
Regulation (EU) No. 453/2010, and relative amendments & additions
CEPE Guide to Labelling and Packaging of Dangerous Preparations
Dangerous Good Regulation (IATA)
International Maritime Dangerous Goods Code (IMDG)
International Carriage of Dangerous Goods by Road (ADR)
EH40/2005 Workplace exposure limits
Hazard Information and Packaging for Supply Regulations 2009
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

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