

Soak Off

Product code(s): Solvents

SDS Preparation Date (dd/mm/yyyy): 16/12/2011

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SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAK

Product identifier : **Soak Off**

Product Code(s) : Solvents

Relevant identified uses of the substance or mixture and uses advised against

: Cosmetic nail gel/acrylic remover solution.
Use pattern: Consumers.

Details of the supplier of the safety data sheet:

Haigh Industries Inc.

#5 – 8118 North Fraser Way
Burnaby, British Columbia, Canada
V5J 0E5
Email: hind@telus.net

Telephone : 001-604-278-5851

Emergency Telephone Number : 001-352-323-3500 (INFOTRAC - Contract # 103390)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Clear liquid. Bluish purple. Ketone odour.

Most important hazards: The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Classification:

R11 - Highly flammable.

Xi - Irritant

R36 - Irritating to eyes.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness.

Label elements



Highly flammable



Irritant

This product is subject to the EEC Directive for Cosmetics, 76/768/EEC, and its National implementations in the European Union. Refer to these regulations for Ingredient disclosure requirements on the label.

R11 - Highly flammable.

R36 - Irritating to eyes.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness.

S 2 - Keep out of the reach of children.

S16 - Keep away from sources of ignition - No smoking.

S24/25 - Avoid contact with skin and eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S46 - If swallowed, seek medical advice immediately and show this container or label.

S35 - This material and its container must be disposed of in a safe way.

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Other hazards

Other hazards which do not result in classification:

Burning produces obnoxious and toxic fumes. Mild respiratory irritant Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Environmental precautions:

Avoid release to the environment. The product should not be allowed to enter drains, water courses or the soil. See ECOLOGICAL INFORMATION, Section 12.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable

Mixtures

Chemical nature of the preparation: Mixture - Ketones; Esters; Natural oils; Fragrances; Pigment.

The following substances shall be indicated according to legislation:

Chemical name	CAS #	EC No.	Concentration	EU Classification
Acetone	67-64-1	200-662-2	70.0 - 100.0	F - Highly flammable; R11 Xi - Irritant; R36 R66 R67
Ethyl acetate	141-78-6	205-500-4	7.0 - 13.0	F - Highly flammable; R11 Xi - Irritant; R36 R66 R67

Note: Refer to Section 16 for additional ingredients present in this product.

For the full text of the R phrases mentioned in this section, see Section 2 or 16.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice immediately and show this container or label.
- Inhalation* : If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. When symptoms persist or in all cases of doubt seek medical advice.
- Skin contact* : Remove/Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before re-use.
- Eye contact* : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Most important symptoms and effects, both acute and delayed

- : Irritating to eyes.
- Repeated exposure may cause skin dryness or cracking.
- Vapours may cause drowsiness and dizziness.
- Mild respiratory irritant.

Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

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SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

: Carbon dioxide (CO₂); Dry chemical; Alcohol-resistant foam.

Unsuitable extinguishing media

: Water may cause spattering of hot material and may spread burning.

Special hazards arising from the substance or mixture

: Highly flammable. May be ignited by open flame. Vapours are heavier than air and may spread along floors. The pressure in sealed containers can increase under the influence of heat. Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; Nitrogen oxides (NO_x); Other unidentified organic compounds.

Advice for firefighters

Protective equipment for fire-fighters

: Wear self-contained breathing apparatus and protective suit. Fight fire with normal precautions from a reasonable distance.

Special fire-fighting procedures

: Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Wear suitable protective equipment. Keep people away from and upwind of spill/leak.

Environmental precautions

: Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and material for containment and cleaning up

: Ventilate the area. Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources if safe to do so. Use only non-sparking tools. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

Reference to other sections

: Refer to protective measures listed in sections 7 and 8. Refer to Section 13 for disposal of contaminated material.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Use only in well-ventilated areas. Wear suitable protective equipment. Avoid breathing vapours or mists. Avoid contact with skin, eyes and clothing. Keep away from sources of ignition - No smoking. Ground/Bond container and receiving equipment. Keep away from incompatibles. Keep container tightly closed. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Wash thoroughly after handling. Protect from moisture.

Conditions for safe storage, including any incompatibilities

: Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Inspect periodically for damage or leaks. Protect against physical damage.

Specific end use(s)

: Cosmetics.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

<u>Exposure Limits:</u>			
<u>Chemical Name</u>	<u>Exposure Limits</u>	<u>Type</u>	<u>Notes</u>
Acetone	500 ppm (1210 mg/m ³) (TWA)	European Union (OEL)	None.
	500 ppm (1210 mg/m ³) (TWA) 1000 ppm (2420 mg/m ³) (STEL)	France (OEL)	None.
	500 ppm (1200 mg/m ³) (TWA)	Germany (OEL)	(exposure factor 2)
	1780 mg/m ³ (TWA) 3560 mg/m ³ (STEL)	Greece (OEL)	None.
	600 mg/m ³ (TWA) 1800 mg/m ³ (STEL)	Poland (OEL)	None.
	500 ppm (1210 mg/m ³) (TWA)	Spain (OEL)	None.
	500 ppm (1210 mg/m ³) (TWA) 1500 ppm (3620 mg/m ³) (STEL)	The United Kingdom (The United Kingdom (WELs))	None.
Ethyl acetate	400 ppm (1400 mg/m ³) (TWA)	France (OEL)	None.
	400 ppm (1500 mg/m ³) (TWA)	Germany (OEL)	(exposure factor 2)
	400 ppm (1400 mg/m ³) (TWA)	Greece (OEL)	None.
	200 mg/m ³ (TWA) 600 mg/m ³ (STEL)	Poland (OEL)	None.
	400 ppm (1460 mg/m ³) (TWA)	Spain (OEL)	None.
	200 ppm (TWA) 400 ppm (STEL)	The United Kingdom (The United Kingdom (WELs))	None.

Exposure controls

Ventilation and engineering measures

- : Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection

- : In the case of vapour formation use a respirator with an approved filter. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Skin protection

- : Gloves impervious to the material are recommended. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

Eye / face protection

- : Chemical splash goggles are recommended. See also EN 166.

Other protective equipment

- : Wear sufficient clothing to prevent skin contact. Ensure that eyewash stations and safety showers are close to the workstation location.

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General hygiene considerations

- : Avoid breathing vapours. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- Appearance** : Clear liquid. Bluish purple.
- Odour** : Ketone odour.
- Odour threshold** : No information available.
- pH** : No information available.
- Flash point** : - 18°C (based on ingredients)
- Flashpoint (Method)** : Tag closed cup (based on ingredients)
- Lower flammable limit (% by vol.)** : 2.5% (based on ingredients)
- Upper flammable limit (% by vol.)** : 12.8% (based on ingredients)
- Flammability (solid, gas)** : Not applicable.
- Auto-ignition temperature** : 456°C (based on ingredients)
- Decomposition temperature** : No information available.
- Oxidizing properties** : None known.
- Explosive properties** : May be sensitive to static discharge. Not expected to be sensitive to mechanical impact.

Initial boiling point and boiling range

- : 56°C
- Melting/Freezing point** : - 94°C
- Relative density** : 0.791 @ 25°C
- Solubility in water** : completely soluble
- Other solubility(ies)** : Soluble in ethanol, other low molecular weight alcohols, chloroform, dimethylformamide, other ethers and benzene.
- Vapour pressure** : 24.1 kPa @ 20°C
- Vapour density** : 2.0
- Partition coefficient: n-octanol/water** : Log P(oct) = - 0.24
- Viscosity** : No information available.
- Evaporation rate (BuAe = 1)** : 5.6

Other Information

- Volatiles (% by weight)** : No information available.
- Volatile organic Compounds (VOC's)** : No information available.

Other physical/chemical comments

- : No additional information.

SECTION 10. STABILITY AND REACTIVITY

- Reactivity** : Not normally reactive.
- Chemical stability** : Stable under normal conditions.

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Possibility of hazardous reactions

- : In the presence of water, product may slowly hydrolyze to ethyl alcohol and acetic acid. Hazardous polymerisation does not occur.

Conditions to avoid

- : Direct sources of heat. Avoid moisture. Do not use in areas without adequate ventilation.

Incompatible materials

- : Water; Oxidizing agents; Reactive metals; Corrosives.

Hazardous decomposition products

- : Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; Nitrogen oxides (NOx); Other unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological effects:

Acute toxicity

- : According to the classification criteria of the European Union, this product is not considered as being an acutely toxic chemical.

Irritation

- : The product is classified as dangerous in accordance with Directive 1999/45/EC.

Classification:

Xi - Irritant. R36 - Irritating to eyes.

Corrosivity

- : According to the classification criteria of the European Union, this product is not considered as being a corrosive material.

Sensitisation

- : According to the classification criteria of the European Union, this product is not considered as being an allergic respiratory sensitiser. According to the classification criteria of the European Union, this product is not considered as being an allergic skin sensitiser.

Mutagenicity

- : Contains no ingredient listed as a mutagen.

Carcinogenicity

- : Contains no ingredient listed as a carcinogen

Reproductive toxicity

- : Not expected to have other reproductive effects.

Repeated dose toxicity

- : The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Classification:

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness.

Toxicological data

- : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data. See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Acetone	30,000 ppm	5800 mg/kg	> 15,800 mg/kg
Ethyl acetate	19,600 ppm	5620 mg/kg	> 18,000 mg/kg

Routes of exposure

- : Eye contact; Skin contact; Inhalation; Ingestion.

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- Effects of acute exposure** : Inhalation: Vapours may cause drowsiness and dizziness. May cause respiratory irritation. Inhalation may provoke the following symptoms: Headache; Pain; Nausea; Vomiting; other central nervous effects.
- Skin contact: May cause mild skin irritation.
- Eye contact: Irritating to eyes. May cause moderate to severe irritation.
- Ingestion: May cause irritation of the mucous membranes. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).
- Potential Chronic Health Effects** : Repeated exposure may cause skin dryness or cracking.
- Other important hazards** : None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity** : No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
Contains: Acetone; Ethyl acetate.
- The acute toxicity of Acetone is (IUCLID):
Toxicity to fish - LC50/96h/Fathead minnows = 6210 - 8120 mg/L
Toxicity to daphnia - LC50/48h/daphnia = 12,600 - 12,700 mg/L
- The acute toxicity of ethyl acetate is (IUCLID):
Toxicity to fish - LC50/96h/Fathead minnows = 230 mg/L
Toxicity to daphnia - EC50/48h/daphnia = 717 mg/L
Toxicity to algae - EC50/72h/algae = 3300 mg/L
- Persistence and degradability** : The product itself has not been tested. Contains: Acetone; Ethyl acetate. Ethyl acetate is considered readily biodegradable. Acetone is considered to be readily biodegradable.
- Bioaccumulation potential** : The product itself has not been tested.
- Mobility in soil** : The product itself has not been tested.
- Results of PBT and vPvB assessment** : This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
- Other Adverse Environmental effects** : None known.
- Water contaminating class (Germany)** : 1 (self classified)

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

- Handling for Disposal** : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.
- Methods of Disposal** : Dispose of in accordance with the European Directives on waste and hazardous waste. Waste must be classified and labelled prior to recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

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SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
ADR/RID	UN1993	FLAMMABLE LIQUID, N.O.S. (Acetone; Ethyl acetate)	3	II	
EU ADR/RID Classification Code	F1 - Flammable liquids having a flash-point of or below 60 °C				
EU ADR / RID Hazard Identification Number	33 - highly flammable liquid (flash-point below 23°C)				
ADR/RID Additional information	May be shipped as LIMITED QUANTITY when transported in containers no larger than 1.0 Litre, in packages not exceeding 30 kg gross mass.				
ICAO/IATA	UN1993	Flammable liquid, n.o.s. (Acetone; Ethyl acetate)	3	II	
ICAO/IATA Additional information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.				
IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Acetone; Ethyl acetate)	3	II	
IMDG Additional information	May be shipped as LIMITED QUANTITY when transported in containers no larger than 1.0 Litre, in packages not exceeding 30 kg gross mass.				

Special precautions for user : Keep away from heat, sparks and open flame. - No smoking. Appropriate advice on safety must accompany the package.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not applicable.

SECTION 15. REGULATORY INFORMATION

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

- : 1. Substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC.
- : 2. Classification according to European directive on classification of hazardous preparations 1999/45/EC.
- : 3. This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
- : 4. In accordance with the legislation of the United Kingdom.
- : 5. German legislation on water endangering substances VwVwS (see Section 12).

Chemical safety assessment : A chemical safety assessment has not been carried out by the Manufacturer of this product.

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SECTION 16. OTHER INFORMATION

Legend : ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS: Chemical Abstract Services
EC: European Community
EEC: European Economic Community
EINECS: European Inventory of Existing Commercial chemical Substances
EN: European Standard
EU: European Union
HSDB: Hazardous Substances Data Bank
IATA: International Air Transport Association
IBC: Intermediate Bulk Container
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration
LD: Lethal Dose
OEL: National occupational exposure limits
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
RTECS: Registry of Toxic Effects of Chemical Substances
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
WEL: Workplace Exposure Limit

Information Source : 1. Material Safety Data Sheet from manufacturer.
2. Canadian Centre for Occupational Health and Safety, CCInfoWeb Databases, 2011 (Chempendium, RTECs, HSDB, INCHEM).
3. European Chemicals Bureau, Existing Chemicals Work Area, EINECS Information System, 2011.
4. European Chemicals Agency, Classification Legislation, 2011.

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R-Phrases (Full text)

: Not applicable.

Other special considerations for handling

: Provide adequate information, instruction and training for operators.
This product is subject to the EEC Directive for Cosmetics, 76/768/EEC, and its National implementations in the European Union. This product may also contain the following chemicals:
Aloe Vera Oil - CAS # 85007-69-3
Jojoba Oil - CAS # 61789-91-1
Fragrance
Blue 1 (CI 42090) - CAS # 3844-45-9
Red 28 (CI 45410) - CAS # 18472-87-2

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<p><u>Prepared for:</u> Haigh Industries Inc. #5 - 8118 North Fraser Way Burnaby, British Columbia, Canada, V5J 0E5 Telephone: 001-604-278-5851 http://www.haighindustries.com Direct all enquiries to Haigh Industries.</p>	
<p><u>Prepared by:</u> ICC The Compliance Center Inc. http://www.thecompliancecenter.com</p>	

DISCLAIMER

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