

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

### 1.1 Product identifier

Hotmelt Cleaner

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

Washing and cleaning products (including solvent based products)

### 1.3 Details of the supplier of the safety data sheet

Intact Adhesives  
The Old School  
Little Cressingham  
Thetford  
Norfolk  
IP25 6NT

enquiries@intactadhesives.com  
Tel : +44 (0) 1953 882899

### 1.4 Emergency telephone number

+44 (0) 01953 882899 (Office hours only – 8:30am/5:00pm GMT)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Health hazard (GHS08)

#### Signal word

Danger

#### Hazard components for labelling

HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLIC;

#### Nota P Hazard statements

H304 May be fatal if swallowed and enters airways.

#### Precautionary statements

P301 IF SWALLOWED: Immediately call a POISON CENTER or doctor/  
+P310 physician. Do NOT induce vomiting.  
P331 P405 Store locked up.

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLIC; Nota P; REACH registration No. : 01-2119457273-39; EC No. : 918-481-9

Weight fraction :  $\geq 50$  %  
Classification 1272/2008  
[CLP] : Asp. Tox. 1; H304

2-(2-BUTOXYETHOXY)ETHANOL; REACH registration No. : 01-2119475104-44; EC No. : 203-961-6; CAS No. : 112-34-5

Weight fraction :  $\geq 2,5 - < 10$  %  
Classification 1272/2008  
[CLP] : Eye Irrit. 2; H319

POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-DECYL-.OMEGA.-HYDROXY; EC No. : 500-046-6; CAS No. : 26183-52-8

Weight fraction :  $< 0,25$  %  
Classification 1272/2008 [CLP] : Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 3;  
H412

#### Additional information

Full text of H- and EUH-phrases: see section 16.

### 3.3 Components according to regulation (EG) Nr. 648/2004

aliphatic hydrocarbons	$\geq 30$ %
non-ionic surfactants	$< 5$ %
perfumes	$< 5$ %
Hexyl cinnamal	$< 5$ %

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact

Wash immediately with: Water and soap

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

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

### 4.2 Most important symptoms and effects, both acute and delayed

The following symptoms may occur: Pulmonary oedema

### 4.3 Indication of any immediate medical attention and special treatment needed

No information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Foam Water mist

**Unsuitable extinguishing media**

Strong water jet

**5.2 Special hazards arising from the substance or mixture**

No information available.

**5.3 Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**5.4 Additional information**

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

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protection equipment. Provide adequate ventilation. Remove persons to safety. See protective measures under point 7 and 8.

**6.2 Environmental precautions**

Cover drains. Do not allow to enter into soil/subsoil. Ensure waste is collected and contained.

**6.3 Methods and material for containment and cleaning up**

Suitable material for taking up: Universal binder Collect in closed and suitable containers for disposal. Clean contaminated articles and floor according to the environmental legislation.

**6.4 Reference to other sections**

None

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**



**Protective measures**

All work processes must always be designed so that the following is as low as possible: Inhalation of vapours or spray/mists

**Measures to prevent fire**

Provide earthing of containers, equipment, pumps and ventilation facilities.

**Environmental precautions**

Shafts and sewers must be protected from entry of the product.

**Specific requirements or handling rules**

Clean floors and contaminated objects with : Water and soap

**7.2 Conditions for safe storage, including any incompatibilities**

None

**7.3 Specific end use(s)**

None

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

### Occupational exposure limit values

2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5

Limit value type (country of origin) : STEL ( EC )

Limit value : 15 ppm / 101,2 mg/m<sup>3</sup>

Version : 31-01-2018

Limit value type (country of origin) : TWA ( EC )

Limit value : 10 ppm / 67,5 mg/m<sup>3</sup>

Version : 31-01-2018

## 8.2 Exposure controls

### Personal protection equipment



#### Eye/face protection

Eye glasses with side protection

#### Skin protection

##### Hand protection

**Suitable gloves type** : EN ISO 374

**Suitable material** : NBR (Nitrile rubber) PVA (Polyvinyl alcohol) PE (polyethylene)

**Required properties** : liquid-tight.

**Breakthrough time (maximum wearing time)** : >480 min

**Thickness of the glove material** : 0,12 mm

##### Body protection

Only wear fitting, comfortable and clean protective clothing.

#### Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

#### General health and safety measures

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance** : Liquid

**Colour** : colourless

**Odour** : characteristic

#### Safety relevant basis data

<b>Freezing point</b> :	( 1013 hPa )	<	0 °C
<b>Initial boiling point and boiling range</b> :	( 1013 hPa )		No data available
<b>Decomposition temperature</b> :	( 1013 hPa )		No data available
<b>Flash point</b> :			65 °C
<b>Ignition temperature</b> :			200 °C
<b>Lower explosion limit</b> :			0,6 Vol-%
<b>Upper explosion limit : Vapour</b> :			7 Vol-%
<b>Pressure</b> :	( 20 °C )	approx.	1 hPa
<b>Density</b> :	( 20 °C )		0,8 g/cm <sup>3</sup>
<b>Water solubility</b> :	( 20 °C )		insoluble

pH :		not applicable	
log P O/W :		No data available	
Flow time :	( 20 °C )	No data available	DIN-cup 4 mm
Viscosity :	( 20 °C )	No data available	
Odour threshold :		No data available	
Relative vapour density :	( 20 °C )	No data available	
Evaporation rate :		No data available	
Oxidising liquids :	Not applicable.		
Explosive properties :	No data available.		

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

No information available.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

Gases/vapours, flammable

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter :	LD50 ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLIC;
Exposure route :	Nota P ) Oral
Effective dose :	> 5000 mg/kg
Parameter :	LD50 ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. :
Exposure route :	112-34-5 ) Oral
Species :	Rat
Effective dose :	> 2000 mg/kg

##### Acute dermal toxicity

Parameter :	LD50 ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLIC;
Exposure route :	Nota P ) Dermal
Effective dose :	> 5000 mg/kg
Parameter :	LD50 ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. :
Exposure route :	112-34-5 ) Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg

##### Acute inhalation toxicity

Parameter :	LC50 ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLIC;
Exposure route :	Nota P ) Inhalation

Effective dose : > 4951 mg/m<sup>3</sup>

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter : LC0 ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLIC;  
Species : Nota P ) Oncorhynchus mykiss (Rainbow trout)  
Effective dose : 1000 mg/l  
Exposure time : 96 h  
Parameter : LC50 ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Species : Lepomis macrochirus (Bluegill)  
Effective dose : 1300 mg/l  
Exposure time : 96 h

##### Acute (short-term) daphnia toxicity

Parameter : EC0 ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLIC;  
Species : Nota P ) Daphnia magna (Big water flea)  
Effective dose : 1000 mg/l  
Exposure time : 48 h  
Parameter : EC50 ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Species : Daphnia magna (Big water flea)  
Effective dose : > 100 mg/l  
Exposure time : 48 h

##### Acute (short-term) algae toxicity

Parameter : EC0 ( HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLIC;  
Species : Nota P ) Pseudokirchneriella subcapitata  
Effective dose : 1000 mg/l  
Exposure time : 72 h  
Parameter : EC50 ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Species : Scenedesmus subspicatus  
Effective dose : > 100 mg/l  
Exposure time : 96 h

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

### 12.7 Additional ecotoxicological information

None

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Delivery to an approved waste disposal company.

#### SECTION 14: Transport information

##### 14.1 UN number

No dangerous good in sense of these transport regulations.

##### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

##### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

##### 14.4 Packing group

No dangerous good in sense of these transport regulations.

##### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

##### 14.6 Special precautions for user

None

##### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

#### SECTION 15: Regulatory information

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

None

##### 15.2 Chemical safety assessment

No information available, because for the substance no chemical safety report is required.

#### SECTION 16: Other information

##### 16.1 Indication of changes

03. Hazardous ingredients · 08. DNEL/DMEL · 08. PNEC

##### 16.2 Abbreviations and acronyms

a.i. = Active ingredient

ACGIH = American Conference of Governmental Industrial Hygienists (US)

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

AFFF = Aqueous Film Forming Foam

AISE = International Association for Soaps, Detergents and Maintenance Products (joint project of AISE and CEFIC) AOAC = AOAC International (formerly Association of Official Analytical Chemists)

aq. = Aqueous

ASTM = American Society of Testing and Materials (US)

atm = Atmosphere(s)

B.V. = Beperkt Vennootschap (Limited)

BCF = Bioconcentration Factor

bp = Boiling point at stated pressure

bw = Body weight

ca = (Circa) about

CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)

CEFIC = European Chemical Industry Council (established 1972)

CIPAC = Collaborative International Pesticides Analytical Council

CLP = REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

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Conc = Concentration  
cP = CentiPoise  
cSt = Centistokes  
d = Day(s)  
DIN = Deutsches Institut für Normung e.V.  
DNEL = Derived No-Effect Level  
DT50 = Time for 50% loss; half-life  
EbC50 = Median effective concentration (biomass, e.g. of algae)  
EC = European Community; European Commission  
EC50 = Median effective concentration  
EINECS = European Inventory of Existing Commercial Chemical Substances (EU, outdated, now replaced by EC Number)  
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)  
ErC50 = Median effective concentration (growth rate, e.g. of algae)  
EU = European Union  
EWC = European Waste Catalogue  
FAO = Food and Agriculture Organization (United Nations)  
GIFAP = Groupement International des Associations Nationales de Fabricants de Produits Agrochimiques (now CropLife International)  
h = Hour(s)  
hPa = HectoPascal (unit of pressure)  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IC50 = Concentration that produces 50% inhibition  
IMDG Code = International Maritime Dangerous Goods Code  
IMO = International Maritime Organization  
ISO = International Organization for Standardization  
IUCLID = International Uniform Chemical Information Database  
IUPAC = International Union of Pure and Applied Chemistry  
kg = Kilogram  
Kow = Distribution coefficient between n-octanol and water  
kPa = KiloPascal (unit of pressure)  
LC50 = Concentration required to kill 50% of test organisms  
LD50 = Dose required to kill 50% of test organisms  
LEL = Lower Explosive Limit/Lower Explosion Limit  
LOAEL = Lowest observed adverse effect level  
mg = Milligram  
min = Minute(s)  
ml = Milliliter  
mmHg = Pressure equivalent to 1 mm of mercury (133.3 Pa)  
mp = Melting point  
MRL = Maximum Residue Limit  
MSDS = Material Safety Data Sheet  
n.o.s. = Not Otherwise Specified  
NIOSH = National Institute for Occupational Safety and Health (US)  
NOAEL = No Observed Adverse Effect Level  
NOEC = No observed effect concentration  
NOEL = No Observable Effect Level  
NOx = Oxides of Nitrogen  
OECD = Organization for Economic Cooperation and Development  
OEL = Occupational Exposure Limits  
Pa = Pascal (unit of pressure)  
PBT = Persistent, Bioaccumulative or Toxic  
pH = -log<sub>10</sub> hydrogen ion concentration  
pKa = -log<sub>10</sub> acid dissociation constant  
PNEC = Previsible Non Effect Concentration  
POPs = Persistent Organic Pollutants  
ppb = Parts per billion



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PPE = Personal Protection Equipment  
ppm = Parts per million  
ppt = Parts per trillion  
PVC = Polyvinyl Chloride  
QSAR = Quantitative Structure-Activity Relationship  
REACH = Registration, Evaluation and Authorization of CHemicals (EU, see  
NCP) SI = International System of Units  
STEL = Short-Term Exposure Limit  
tech. = Technical grade  
TSCA = Toxic Substances Control Act (US)  
TWA = Time-Weighted Average  
vPvB = Very Persistent and Very Bioaccumulative  
WHO = World Health Organization = OMS  
y = Year(s)

**16.3 Key literature references and sources for data**

None

**Classification for mixtures and used evaluation method according to regulation (EC)**

**16.4 No 1272/2008 [CLP]**

Calculation method

**16.5 Relevant H- and EUH-phrases (Number and full text)**

H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

**16.6 Training advice**

None

**16.7 Additional information**

Notice the directions for use on the label.

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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