

1. Identification of the Substance/Preparation and the Company Undertaking

Product Name	Effast ABS solvent cement
Supplier	Bison International NL-4462 EW Goes PO Box 160 NL- 4460 AD Goes Tel: +31 88 3235700
Emergency Telephone	Tel. +31 88 3235700 (24 Hours)
Application	Adhesive

2. Hazard Identification**Hazard Description****2.1 Classification of the substance or mixture classification according to regulation (EC) No 1272/2008**GHS07 Eye irrit.2
STOT SE 3H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Flam. Liq. 2

H225 Highly flammable liquid and vapour

2.2 Label elements**Labelling according to regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation

Hazard pictograms

GHS07 GHS02

Signal word

Danger

Hazard-determining components of labelling:

Methyl Ethyl Ketone

Hazard statements

- H225 Highly flammable liquid and vapor
- H319 Causes serious eye irritation
- H336 May cause drowsiness or dizziness

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand
- P102 Keep out of reach of children
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources, no smoking
- P261 Avoid breathing vapors
- P370+378 In case of fire: Use to extinguish: Water haze, alcohol resistant foam, fire-extinguishing powder, carbon dioxide
- P403+233 Store in a well ventilated place. Keep container tightly closed
- P501 Dispose of contents/container in accordance with national regulations

Additional information

- EUH066 Repeated exposure may cause skin dryness or cracking

2.3 Other hazards

Results of PBT and vPvB assessment

- PBT:** Not applicable
- vPvB:** Not applicable

3. Composition/Information on Ingredients

3.2 Mixtures

Description: Adhesive

Dangerous Components:

CAS: 78-93-3	Methyl Ethyl Ketone	50-100%
EINECS: 201-159-0	FlamLiq2, H225; Eye Irrit.2, H319;	STOT SE3, H336
Reg.Nr: 01-2119457290-43		

Additional information

For the wording of the listed hazard phases refer to section 16

4. First Aid Measures

4.1 Description of first aid measures

General information

No special measures required.

After inhalation

Supply fresh air; consult doctor in case of complaints

After eye contact

Rinse opened eye contact for several minutes under running water. If symptoms persist, consult a doctor

After skin contact

Generally the product does not irritate the skin

After swallowing

Do not induce vomiting; call for medical help immediately

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available

5. Fire Fighting Measures

5.1 Extinguisher media

Suitable extinguishing agents:

Water haze, Alcohol resistant foam, fire-extinguishing powder and carbon dioxide

For safety reasons unsuitable extinguishing agents:

Water with full jet

5.2 Special hazards arising from the substance or mixture

No further information available

5.3 Advice for firefighters

Protective equipment: Mount respiratory protective device

Additional information

Cool endangered receptacles with water spray.

Collect contaminated firefighting water separately. It must not enter the sewage system

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Prevent seepage into sewage system, work pits and cellars

Do not allow to enter sewers / surface or ground water

6.3 Method and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)

Dispose contaminated material as waste according to item 13

Ensure adequate ventilation

6.4 Reference to other sections

See section 7 for information on safe handling

See section 8 for information on personal protective equipment

See section 13 for disposal information

7. Handling and Storage

7.1 Precautions for safe handling

Ensure good ventilation / exhaustion at the workplace

Prevent formation of aerosols

Ensure good interior ventilation, especially at floor level, (Fumes are heavier than air)

Information about fire – And explosion protection

Keep ignition sources away – Do not smoke

Protect against electrostatic charges

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by store rooms and receptacles

Store in cool location

Information about storage in one common storage facility

Not required

Further information about storage conditions

Keep receptacle tightly sealed and store in cool, dry conditions in well-sealed receptacles

7.3 Specific end use(s)

No further relevant information available

8. Exposure Control/Personal Protection

Additional information about design of technical facilities

No further data; see item 7

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

79-93-3 Methyl Ethyl Ketone

WEL (Great Britain) Short term value: 899 mg/m³, 300 ppm
 Long term value: 600 mg/m³, 200 ppm
 Sk, BMGV

IOELV (European Union) Short term value: 900 mg/m³, 300 ppm
 Long term value: 600 mg/m³, 200 ppm

Ingredients with biological limit values

78-93-3 Methyl Ethyl Ketone

BMGV (great Britain) 70 µmol/L
 Medium: Urine
 Sampling time: Post shift
 Parameter: butan-2-one

Additional information:

The lists valid during the making were used as basis

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals

- Keep away from foodstuffs, beverages and feed
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work
- Do not inhale gases / fumes / aerosols

- Avoid contact with eyes
- Avoid contact with eyes and skin

Respiratory equipment

Use suitable respiratory protective device in case of insufficient ventilation

Recommended filter for short term use: Filter A

Protection of hands

Solvent resistant gloves

The gloves material has to be impermeable and resistant to the product / the substance / the preparation

Due to missing tests no recommendation to the glove material can be given for the product / the preparation / the chemical mixture

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

For the permanent contact of a maximum of 15 minutes gloves made of the following gloves are suitable

PVC or PE gloves

Eye protection

Tightly sealed goggles

Body protection

Solvent resistant protective clothing

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General information

Appearance

Form	Fluid
Colour	According to product specification
Odour	Characteristic
Odour threshold	Not determined
pH-value	Not determined
Change in condition	
Melting point/melting range	Undetermined
Boiling point/boiling range	79 °C
Flash point	- 1 °C
Flammability (solid, gaseous)	Not applicable
Ignition temperature	514 °C
Decomposition temperature	Not determined
Auto-ignition temperature	Product is not self igniting
Explosive properties	Product is not explosive. However formation of explosive air mixtures are possible
Explosion limits	
Lower	1.8 Vol %
Upper	11.5 Vol %
Vapour pressure at 20 °C	105 hPa
Density at 20 °C	0.86 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in / miscibility with water	Not miscible or difficult to mix
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic	Not determined
Kinematic	Not determined
Organis Solvents	74.8%

9.2 Other information

All relevant physical data were determined for the mixture.
All non-determined data are not measurable or not relevant for the characterisation of the mixture

10. Stability and Reactivity

10.1 Reactivity

No further relevant information available

10.2 Chemical stability

Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications

10.3 Possibility of hazardous reactions

No dangerous reactions known

10.4 Conditions to avoid

No further relevant information available

10.5 Incompatible materials

No further relevant information available

10.6 Hazardous decomposition products

Danger of forming toxic pyrolysis products

11. Toxicological Information**11.1 Information on toxicological effects**

Acute toxicity Based on available data, the classification criteria are not met

LD/LC50 values relevant for classification**78-93-3 Methyl Ethyl Ketone**

Oral	LD50	3300 mg/kg (Rat)
Dermal	LD50	5000 mg/kg (Rbt)

Primary irritant effect**Skin corrosion / irritation**

Based on available data, the classification criteria are not met

Serious eye damage / irritation

Causes serious eye irritation

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met

CMR Effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Germ cell mutagenicity**

Based on available data, the classification criteria are not met

Carcinogenicity

Based on available data, the classification criteria are not met

Reproductive Toxicity

Based on available data, the classification criteria are not met

STOT Single exposure

May cause drowsiness or dizziness

STOT Repeated exposure

Based on available data, the classification criteria are not met

Aspiration hazard

Based on available data, the classification criteria are not met

12. Ecological Information**12.1 Toxicity****Aquatic toxicity:**

No further relevant information available

12.2 Persistence and degradability

No further relevant information available

12.3 Bioaccumulative potential

No further relevant information available

12.4 Mobility in soil

No further relevant information available

Additional ecological information

General notes:

Water hazard class 1 (German assessment) (self assessment): slightly hazardous for water, Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

12.6 Other adverse effects

No further relevant information available

13. Disposal Considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage
Do not allow product to reach sewer system

Uncleaned packaging

Recommendation

Disposal must be made according to official regulations
Packagings that may not be cleansed are to be disposed of in the same manner as the product

14. Transport Information

14.1 UN Number

ADR/ADN, IMDG, IATA

UN1133

14.2 UN Proper shipping name

**ADR / ADN
IMDG, IATA**

1133 ADHESIVES
ADHESIVES

14.3 Transport hazard class(es)

ADR/ADN



**Class
Label**

3 (F1) Flammable liquids
3

IMDG, IATA



Class	3 Flammable Liquids
Label	3
14.4 Packing Group	
ADR/ADN, IMDG, IATA	III
14.5 Environmental hazards	
Marine pollutant	No
14.6 Special precautions for user	Warning: Flammable liquids
Danger code (Kemler)	33
EMS Number	F-E, S-D
Stowage capacity	A
14.7 Transport in bulk according to Annex II of Marpol and the IBC code	Not applicable
Transport / additional information	
ADR/ADN	
Limited quantities (LQ)	5L
Excepted Quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Remarks	Under certain conditions substances in class 3 (flammable liquids) can be classified in packaging group III
UN "Model Regulation"	See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2 UN 1133 ADHESIVES, 3, III

15. Regulatory Information

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

Directive 2012/18/EU	
Named dangerous substances – Annex I	None of the ingredients is listed
Sevso category	p5c FLAMMABLE LIQUIDS
Qualifying quantity (tonnes) for the application of lower tier requirements	5,000 t
Qualifying quantity (tonnes) for the application of lower tier requirements	50,000 t
REGULATION (EC) No 1907/2006 ANNEX XVII	Conditions of restriction: 3

15.2 Chemical safety assessment

Chemical safety assessment has not been carried out

16. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

Relevant phases

H225 Highly flammable liquid and vapour
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Abbreviations and acronyms

Flam. Liq. 2: Flammable liquids – Category 2
Eye Irrit. 2: Serious eye damage / eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3