

## SAFETY DATA SHEET

### PLASTI DIP 190 FLEX PRIMER

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

##### 1.1. Product identifier

**Product name** Plasti Dip 190 Flex Primer  
**Product number** 190  
**Container size** 205 litre container

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

**Identified uses** Paint.

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

**Supplier** Plastidip UK Limited  
Unit 1, Harvesting Lane,  
East Meon, Petersfield,  
Hampshire, GU32 1QR  
United Kingdom  
T: +44 (0)1730 823823 F: +44(0)1730 823321

**Contact person** e-mail: sales@plastidip.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** + 44 (0) 1730 823123 (09.00 -17.00)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Flam. Liq. 3 - H226  
**Health hazards** Lact. - H362 STOT SE 3 - H336  
**Environmental hazards** Aquatic Chronic 3 - H412

**Classification (67/548/EEC or 1999/45/EC)** R64, R52/53, R10, R67

**Human health** Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Irritating to skin. Product has a defatting effect on skin.

**Environmental** The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**Physicochemical** The product is flammable and oxidising, and heating may generate vapours which may form explosive vapour/air mixtures.

##### 2.2. Label elements

## PLASTI DIP 190 FLEX PRIMER

### Pictogram



### Signal word

Warning

### Hazard statements

H226 Flammable liquid and vapour.  
 H336 May cause drowsiness or dizziness.  
 H362 May cause harm to breast-fed children.  
 H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P501 Dispose of contents/ container in accordance with national regulations.

### Contains

BUTYL ACETATE -norm, CHLORINATED PARAFFIN

### Supplementary precautionary statements

P201 Obtain special instructions before use.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P240 Ground/ bond container and receiving equipment.  
 P241 Use explosion-proof electrical equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P260 Do not breathe vapour/ spray.  
 P261 Avoid breathing vapour/ spray.  
 P263 Avoid contact during pregnancy/ while nursing.  
 P264 Wash contaminated skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P308+P313 IF exposed or concerned: Get medical advice/ attention.  
 P312 Call a POISON CENTER/ doctor if you feel unwell.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>BUTYL ACETATE -norm</b>	<b>40 -70%</b>
CAS number: 123-86-4	EC number: 204-658-1
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 3 - H226	R10 R66 R67
STOT SE 3 - H336	

## PLASTI DIP 190 FLEX PRIMER

<b>CHLORINATED PARAFFIN</b>	<b>1-5%</b>
CAS number: 85535-85-9	EC number: 287-477-0
M factor (Acute) = 1	
<b>Classification</b> Lact. - H362 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> N;R50/53. R64,R66.
<b>ISODECYLOXPROPYLAMINE ACETATE</b>	<b>&lt;1%</b>
CAS number: 28701-67-9	
M factor (Chronic) = 1	
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. C;R34. Xi;R37. N;R50/53. R43.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc.

#### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** The product is flammable. Heating may generate flammable vapours. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

#### 5.3. Advice for firefighters

## PLASTI DIP 190 FLEX PRIMER

**Protective actions during firefighting** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Absorb spillage with non-combustible, absorbent material. Avoid the spillage or runoff entering drains, sewers or watercourses.

#### 6.4. Reference to other sections

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from oxidising materials, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep only in the original container.

**Storage class** Flammable liquid storage.

#### 7.3. Specific end use(s)

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### BUTYL ACETATE -norm

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

**Ingredient comments** WEL = Workplace Exposure Limits

##### BUTYL ACETATE -norm (CAS: 123-86-4)

**DNEL** Industry - Inhalation; Short term : 960 mg/m<sup>3</sup>  
 Industry - Inhalation; Long term : 480 mg/m<sup>3</sup>  
 Consumer - Inhalation; Short term : 859.7 mg/m<sup>3</sup>  
 Consumer - Inhalation; Long term : 102.34 mg/m<sup>3</sup>

## PLASTI DIP 190 FLEX PRIMER

<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 0.18 mg/l</li> <li>- Marine water; 0.018 mg/l</li> <li>- STP; 35.6 mg/l</li> <li>- Sediment (Freshwater); 0.981 mg/kg</li> <li>- Sediment (Marinewater); 0.0981 mg/kg</li> <li>- Soil; 0.0903 mg/kg</li> </ul>
-------------	--

### CHLORINATED PARAFFIN (CAS: 85535-85-9)

<b>DNEL</b>	<p>Industry - Dermal; Long term systemic effects: 11.5 mg/kg/day</p> <p>Industry - Inhalation; Long term systemic effects: 1.6 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 5.75 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 0.4 mg/m<sup>3</sup></p> <p>General population - Oral; Long term systemic effects: 0.115 mg/kg/day</p>
<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 0.001 mg/l</li> <li>- Marine water; 0.0002 mg/l</li> <li>- STP; 80 mg/l</li> <li>- Sediment (Freshwater); 13 mg/kg/day</li> <li>- Sediment (Marinewater); 2.6 mg/kg/day</li> <li>- Soil; 20 mg/kg/day</li> </ul>

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

### Eye/face protection

The following protection should be worn: Chemical splash goggles.

### Hand protection

Use protective gloves.

### Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.

### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Odour</b>	Aromatic.
<b>Initial boiling point and range</b>	124 - 128 @°C @ 760 mm Hg
<b>Flash point</b>	27°C CC (Closed cup).
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: 0.8

## PLASTI DIP 190 FLEX PRIMER

Vapour density	>1
Relative density	1.158 - 1.45 @ @ 20°C
Solubility(ies)	Immiscible with water
Viscosity	200 - 400 cP @ 20°C

### 9.2. Other information

Volatility	69
Volatile organic compound	This product contains a maximum VOC content of <610 g/litre.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
-----------	--

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Conditions to avoid	Avoid heat. Avoid contact with the following materials: Strong oxidising agents.
---------------------	--

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

Hazardous decomposition products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
----------------------------------	--

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Inhalation	Irritating to respiratory system. Vapours may cause drowsiness and dizziness.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Eye contact	Irritating to eyes.
Target organs	Skin Eyes Respiratory system, lungs

### Toxicological information on ingredients.

#### BUTYL ACETATE -norm

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 10,760.0

Species Rat

ATE oral (mg/kg) 10,760.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 14,112.0

Species Rabbit

**PLASTI DIP 190 FLEX PRIMER**

<b>ATE dermal (mg/kg)</b>	14,112.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)</b>	23.4
<b>Species</b>	Rat
<b>ATE inhalation (vapours mg/l)</b>	23.4
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	- NOAEC 3615 mg/m <sup>3</sup> , , Rat
<b>Reproductive toxicity - development</b>	- LOAEC: 7230 mg/m <sup>3</sup> , , Rat
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	NOAEC 500 ppmV/4hr/day, Inhalation, Rat

**CHLORINATED PARAFFIN**

<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	4,000.0
<b>Species</b>	Rat
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	4,000.0
<b>Species</b>	Rat
<b><u>Acute toxicity - inhalation</u></b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)</b>	48,170.0
<b>Species</b>	Rat

**ISODECYLOXPROPYLAMINE ACETATE**

<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	1,200.0
<b>Species</b>	Rat
<b>ATE oral (mg/kg)</b>	1,200.0

**SECTION 12: Ecological Information**

**Ecotoxicity** The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**12.1. Toxicity****Ecological information on ingredients.**

## PLASTI DIP 190 FLEX PRIMER

### BUTYL ACETATE -norm

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 18 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 44 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 647.7 mg/l, Desmodemus subspicatus

### CHLORINATED PARAFFIN

#### Acute aquatic toxicity

<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
<b>M factor (Acute)</b>	1
<b>Acute toxicity - fish</b>	, : 5900 mg/l, Algae
<b>Acute toxicity - aquatic invertebrates</b>	NOEC, : 0.01 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 96 hours: 3.2 mg/l, Fish
<b>Acute toxicity - terrestrial</b>	NOEC, : 50 mg/l, Eisenia Fetida (Earthworm)
<b><u>Chronic aquatic toxicity</u></b>	
<b>NOEC</b>	0.01 < NOEC ≤ 0.1
<b>Degradability</b>	Rapidly degradable

### ISODECYLOXPROPYLAMINE ACETATE

#### Acute aquatic toxicity

<b>LE(C)<sub>50</sub></b>	0.01 < L(E)C <sub>50</sub> ≤ 0.1 0.1 < L(E)C <sub>50</sub> ≤ 1
<b><u>Chronic aquatic toxicity</u></b>	
<b>NOEC</b>	0.01 < NOEC ≤ 0.1
<b>M factor (Chronic)</b>	1

#### 12.2. Persistence and degradability

##### Ecological information on ingredients.

<b>Biodegradation</b>	Water - Degradation 83: 28 days
-----------------------	---------------------------------

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

##### Ecological information on ingredients.

### BUTYL ACETATE -norm

<b>Surface tension</b>	61.3 mN/m @ °C
------------------------	----------------

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects



## PLASTI DIP 190 FLEX PRIMER

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>General information</b>	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	PAINT (CHLORINATED PARAFFIN)
Proper shipping name (IMDG)	PAINT (CHLORINATED PARAFFIN)
Proper shipping name (ICAO)	PAINT (CHLORINATED PARAFFIN)
Proper shipping name (ADN)	PAINT (CHLORINATED PARAFFIN)

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

ADR/RID class	3
ADR/RID label	3
IMDG class	3
ICAO class/division	3

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



#### 14.6. Special precautions for user

EmS	F-E, S-E
Emergency Action Code	•3Y

## PLASTI DIP 190 FLEX PRIMER

**Hazard Identification Number** 30  
(ADR/RID)

**Tunnel restriction code** (D/E)

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

#### SECTION 15: Regulatory information

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

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended)
<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

##### 15.2. Chemical safety assessment

#### SECTION 16: Other information

<b>Issued by</b>	HS&E Manager.
<b>Revision date</b>	18/12/2014
<b>Revision</b>	3
<b>Supersedes date</b>	16/10/2009
<b>SDS number</b>	10404
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	R10 Flammable. R22 Harmful if swallowed. R34 Causes burns. R37 Irritating to respiratory system. R43 May cause sensitisation by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R64 May cause harm to breastfed babies. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness.

## PLASTI DIP 190 FLEX PRIMER

### Hazard statements in full

H226 Flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.  
H336 May cause drowsiness or dizziness.  
H362 May cause harm to breast-fed children.  
H362 May cause harm to breast-fed children.  
H400 Very toxic to aquatic life.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.