

**SAFETY DATA SHEET**  
SPECTRUM BLENDER INK FORMULATION

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Compilation date: 19/12/2014

Revision No: 1

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** SPECTRUM BLENDER INK FORMULATION**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

**Company name:** Crafter's Companion  
11 Collingwood Street  
Coundon  
Bishop Auckland  
County Durham  
DL14 8LG  
United Kingdom

**Tel:** +44 (0)1388 663251**Fax:** +44 (0)1388 663260**Email:** [simon.hodges@craftercompanion.co.uk](mailto:simon.hodges@craftercompanion.co.uk)**1.4. Emergency telephone number****Emergency tel:** +44 (0)1388 663251**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Flam. Liq. 2: H225; Skin Sens. 1: H317**Classification under CHIP:** F: R11; Sens.: R43**Most important adverse effects:** Highly flammable liquid and vapour. May cause an allergic skin reaction.**2.2. Label elements****Label elements under CLP:****Hazard statements:** H225: Highly flammable liquid and vapour.

H317: May cause an allergic skin reaction.

**Signal words:** Danger**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark

**Precautionary statements:** P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P243: Take precautionary measures against static discharge.

[cont...]

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- P261: Avoid breathing vapours.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+352: IF ON SKIN: Wash with plenty of soap and water.  
 P333+313: If skin irritation or rash occurs: Get medical advice/attention.

**2.3. Other hazards**

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3: Composition/information on ingredients****3.2. Mixtures****Hazardous ingredients:**

## ETHANOL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	>90%

## ROSIN

232-475-7	8050-09-7	-	Skin Sens. 1: H317	1-10%
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**Section 4: First aid measures****4.1. Description of first aid measures**

- Skin contact:** Wash immediately with plenty of soap and water.  
**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.  
**Ingestion:** Wash out mouth with water. Consult a doctor.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours.

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

- Skin contact:** There may be irritation and redness at the site of contact.  
**Eye contact:** There may be irritation and redness. The eyes may water profusely.  
**Ingestion:** There may be soreness and redness of the mouth and throat.  
**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Not applicable.

**Section 5: Fire-fighting measures****5.1. Extinguishing media**

**Extinguishing media:** Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

[cont...]

Item Numbers: 19913-1001, 19913-1011, 19913-1021, 19913-1031, 19913-1041, 19913-1069, 19913-1201, 19913-1202, 19913-1211, 19913-1212, 19913-1221, 19913-1222, 19913-1231, 19913-1232, 19913-1233, 19913-1241, 19913-1242, 19913-1243, 19913-1244, 19913-1249, 19913-1251, 19913-1252, 19913-1253, 19913-1261, 19913-1262, 19913-1271, 19913-1272, 19913-1281, 19913-1282, 19913-1291, 19913-1292, 19913-2001, 19913-2011, 19913-2021, 19913-2022, 19913-2023, 19913-2031, 19913-2041, 19913-2051, 19913-2069, 19913-2201, 19913-2202, 19913-2211, 19913-2212, 19913-2221, 19913-2222, 19913-2231, 19913-2232, 19913-2241, 19913-2242, 19913-2249, 19913-2251, 19913-2252, 19913-2261, 19913-2262, 19913-2271, 19913-2272, 19913-2273, 19913-2281, 19913-2282, 19913-2283, 19913-2291, 19913-2292, 19913-2293, 19913-2301, 19913-2311, 19913-2321, 19913-2331, 19913-2341, 19913-2351, 19913-2361, 19913-2369, 19913-2801, 19913-2821, 19913-2831, 19913-2841, 19913-2851, 19913-2869, 19913-3001, 19913-3011, 19913-3021, 19913-3031, 19913-3041, 19913-3051, 19913-3069, 19913-3101, 19913-3111, 19913-3121, 19913-3131, 19913-3141, 19913-3151, 19913-3169, 19913-3201, 19913-3202, 19913-3203, 19913-3211, 19913-3212, 19913-3213, 19913-3221, 19913-3222, 19913-3223, 19913-3231, 19913-3232, 19913-3233, 19913-3241, 19913-3242, 19913-3249, 19913-3251, 19913-3252, 19913-3261, 19913-3262, 19913-3271, 19913-3272, 19913-3281, 19913-3282, 19913-3291, 19913-3292, 19913-4001, 19913-4011, 19913-4021, 19913-4031, 19913-4041, 19913-4051, 19913-4069, 19913-4201, 19913-4202, 19913-4203, 19913-4211, 19913-4212, 19913-4213, 19913-4214, 19913-4221, 19913-4222, 19913-4223, 19913-4231, 19913-4232, 19913-4241, 19913-4242, 19913-4249, 19913-4251, 19913-4252, 19913-4261, 19913-4262, 19913-4271, 19913-4272, 19913-4281, 19913-4282, 19913-4291, 19913-4292, 19913-5101, 19913-5111, 19913-5121, 19913-5131, 19913-5141, 19913-5151, 19913-5169, 19913-5901, 19913-5921, 19913-5931, 19913-5951, 19913-5961, 19913-5969, 19913-5991, 19913-6001, 19913-6011, 19913-6021, 19913-6031, 19913-6041, 19913-6051, 19913-6069, 19913-7001, 19913-7011, 19913-7021, 19913-7031, 19913-7041, 19913-7051, 19913-7069, 19913-8001, 19913-8021, 19913-8031, 19913-8041, 19913-8051, 19913-8069, 19913-8071, 19913-8081, 19913-1109, 19913-1119

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

**Exposure hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Mechanically ventilate the spillage area whilst avoiding the formation of explosive concentrations - see section 9 of SDS. Eliminate all sources of ignition.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage****7.1. Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

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

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

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

**Specific end use(s):** No data available.

**Section 8: Exposure controls/personal protection****8.1. Control parameters**

[cont...]

Item Numbers: 19913-1001, 19913-1011, 19913-1021, 19913-1031, 19913-1041, 19913-1069, 19913-1201, 19913-1202, 19913-1211, 19913-1212, 19913-1221, 19913-1222, 19913-1231, 19913-1232, 19913-1233, 19913-1241, 19913-1242, 19913-1243, 19913-1244, 19913-1249, 19913-1251, 19913-1252, 19913-1253, 19913-1261, 19913-1262, 19913-1271, 19913-1272, 19913-1281, 19913-1282, 19913-1291, 19913-1292, 19913-2001, 19913-2011, 19913-2021, 19913-2022, 19913-2023, 19913-2031, 19913-2041, 19913-2051, 19913-2069, 19913-2201, 19913-2202, 19913-2211, 19913-2212, 19913-2221, 19913-2222, 19913-2231, 19913-2232, 19913-2241, 19913-2242, 19913-2249, 19913-2251, 19913-2252, 19913-2261, 19913-2262, 19913-2271, 19913-2272, 19913-2273, 19913-2281, 19913-2282, 19913-2283, 19913-2291, 19913-2292, 19913-2293, 19913-2301, 19913-2311, 19913-2321, 19913-2331, 19913-2341, 19913-2351, 19913-2361, 19913-2369, 19913-2801, 19913-2821, 19913-2831, 19913-2841, 19913-2851, 19913-2869, 19913-3001, 19913-3011, 19913-3021, 19913-3031, 19913-3041, 19913-3051, 19913-3069, 19913-3101, 19913-3111, 19913-3121, 19913-3131, 19913-3141, 19913-3151, 19913-3169, 19913-3201, 19913-3202, 19913-3203, 19913-3211, 19913-3212, 19913-3213, 19913-3221, 19913-3222, 19913-3223, 19913-3231, 19913-3232, 19913-3233, 19913-3241, 19913-3242, 19913-3249, 19913-3251, 19913-3252, 19913-3261, 19913-3262, 19913-3271, 19913-3272, 19913-3281, 19913-3282, 19913-3291, 19913-3292, 19913-4001, 19913-4011, 19913-4021, 19913-4031, 19913-4041, 19913-4051, 19913-4069, 19913-4201, 19913-4202, 19913-4203, 19913-4211, 19913-4212, 19913-4213, 19913-4214, 19913-4221, 19913-4222, 19913-4223, 19913-4231, 19913-4232, 19913-4241, 19913-4242, 19913-4249, 19913-4251, 19913-4252, 19913-4261, 19913-4262, 19913-4271, 19913-4272, 19913-4281, 19913-4282, 19913-4291, 19913-4292, 19913-5101, 19913-5111, 19913-5121, 19913-5131, 19913-5141, 19913-5151, 19913-5169, 19913-5901, 19913-5921, 19913-5931, 19913-5951, 19913-5961, 19913-5969, 19913-5991, 19913-6001, 19913-6011, 19913-6021, 19913-6031, 19913-6041, 19913-6051, 19913-6069, 19913-7001, 19913-7011, 19913-7021, 19913-7031, 19913-7041, 19913-7051, 19913-7069, 19913-8001, 19913-8021, 19913-8031, 19913-8041, 19913-8051, 19913-8069, 19913-8071, 19913-8081, 19913-1109, 19913-1119

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**Hazardous ingredients:****ETHANOL****Workplace exposure limits:****Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m3	-	-	-

**ROSIN**

UK	0.05 mg/m3	0.15 mg/m3	-	-
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**DNEL/PNEC Values**

DNEL / PNEC No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**Section 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

**State:** Liquid

**Colour:** Various

**Viscosity:** Non-viscous

**Boiling point/range°C:** >35

**Flash point°C:** <21

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity****10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions. Stable at room temperature.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

[cont...]

Item Numbers: 19913-1001, 19913-1011, 19913-1021, 19913-1031, 19913-1041, 19913-1069, 19913-1201, 19913-1202, 19913-1211, 19913-1212, 19913-1221, 19913-1222, 19913-1231, 19913-1232, 19913-1233, 19913-1241, 19913-1242, 19913-1243, 19913-1244, 19913-1249, 19913-1251, 19913-1252, 19913-1253, 19913-1261, 19913-1262, 19913-1271, 19913-1272, 19913-1281, 19913-1282, 19913-1291, 19913-1292, 19913-2001, 19913-2011, 19913-2021, 19913-2022, 19913-2023, 19913-2031, 19913-2041, 19913-2051, 19913-2069, 19913-2201, 19913-2202, 19913-2211, 19913-2212, 19913-2221, 19913-2222, 19913-2231, 19913-2232, 19913-2241, 19913-2242, 19913-2249, 19913-2251, 19913-2252, 19913-2261, 19913-2262, 19913-2271, 19913-2272, 19913-2273, 19913-2281, 19913-2282, 19913-2283, 19913-2291, 19913-2292, 19913-2293, 19913-2301, 19913-2311, 19913-2321, 19913-2331, 19913-2341, 19913-2351, 19913-2361, 19913-2369, 19913-2801, 19913-2821, 19913-2831, 19913-2841, 19913-2851, 19913-2869, 19913-3001, 19913-3011, 19913-3021, 19913-3031, 19913-3041, 19913-3051, 19913-3069, 19913-3101, 19913-3111, 19913-3121, 19913-3131, 19913-3141, 19913-3151, 19913-3169, 19913-3201, 19913-3202, 19913-3203, 19913-3211, 19913-3212, 19913-3213, 19913-3221, 19913-3222, 19913-3223, 19913-3231, 19913-3232, 19913-3233, 19913-3241, 19913-3242, 19913-3249, 19913-3251, 19913-3252, 19913-3261, 19913-3262, 19913-3271, 19913-3272, 19913-3281, 19913-3282, 19913-3291, 19913-3292, 19913-4001, 19913-4011, 19913-4021, 19913-4031, 19913-4041, 19913-4051, 19913-4069, 19913-4201, 19913-4202, 19913-4203, 19913-4211, 19913-4212, 19913-4213, 19913-4214, 19913-4221, 19913-4222, 19913-4223, 19913-4231, 19913-4232, 19913-4241, 19913-4242, 19913-4249, 19913-4251, 19913-4252, 19913-4261, 19913-4262, 19913-4271, 19913-4272, 19913-4281, 19913-4282, 19913-4291, 19913-4292, 19913-5101, 19913-5111, 19913-5121, 19913-5131, 19913-5141, 19913-5151, 19913-5169, 19913-5901, 19913-5921, 19913-5931, 19913-5951, 19913-5961, 19913-5969, 19913-5991, 19913-6001, 19913-6011, 19913-6021, 19913-6031, 19913-6041, 19913-6051, 19913-6069, 19913-7001, 19913-7011, 19913-7021, 19913-7031, 19913-7041, 19913-7051, 19913-7069, 19913-8001, 19913-8021, 19913-8031, 19913-8041, 19913-8051, 19913-8069, 19913-8071, 19913-8081, 19913-1109, 19913-1119

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**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information****11.1. Information on toxicological effects**

**Hazardous ingredients:**

**ETHANOL**

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

**Relevant effects for mixture:**

Effect	Route	Basis
Sensitisation	DRM	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Section 12: Ecological information****12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability****12.3. Bioaccumulative potential****12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil.

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

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

[cont...]

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**Section 13: Disposal considerations****13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information****14.1. UN number**

**UN number:** UN1993

**14.2. UN proper shipping name**

**Shipping name:** FLAMMABLE LIQUID, N.O.S.  
(ETHANOL)

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

**Transport class:** 3

**14.4. Packing group**

**Packing group:** II

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Special precautions:** No special precautions.

**Tunnel code:** D/E

**Transport category:** 2

**Section 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical Safety Assessment****Section 16: Other information****Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H225: Highly flammable liquid and vapour.

H317: May cause an allergic skin reaction.

R11: Highly flammable.

R43: May cause sensitisation by skin contact.

[cont...]

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**SAFETY DATA SHEET**  
SPECTRUM BLENDER INK FORMULATION

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**Legend to abbreviations:** PNEC = predicted no effect level  
DNEL = derived no effect level  
LD50 = median lethal dose  
LC50 = median lethal concentration  
EC50 = median effective concentration  
IC50 = median inhibitory concentration  
dw = dry weight  
bw = body weight  
cc = closed cup  
oc = open cup  
MUS = mouse  
GPG = guinea pig  
RBT = rabbit  
HAM = hamster  
HMN = human  
MAM = mammal  
PGN = pigeon  
IVN = intravenous  
SCU = subcutaneous  
SKN = skin  
DRM = dermal  
OCC = ocular/corneal  
PCP = phycico-chemical properties

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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