

SAFETY DATA SHEET

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

| 1.1. Product identifier Trade name or designation of the mixture | Lötflussmittel X33F-07i / X33S-07i |
|--|--|
| Issue date | 02-September-2013 |
| Version number | 1.0 |
| Revision date | 02-September-2013 |
| Product use | Consumer use |
| 1.2. Relevant identified uses of t | he substance or mixture and uses advised against |
| Identified uses | flux for soft soldering |
| Uses advised against | None known |
| 1.3. Details of the supplier of the | e safety data sheet |
| Company name Address | STANNOL GmbH Oskarstr. 3-7 42283 Wuppertal Germany |
| Contact person Telephone number Fax e-mail Contact person Emergency telephone number | Dr. Sven Mönninghoff +49 (0) 202 585-129 +49 (0) 202 585 155 sven.moenninghoff@stannol.de HSE-BBS@bayer.com +49 (0) 202 585 129 (8:00 a.m. – 4:00 p.m. (MET)) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

| Classification F;R | 1, Xi;R36, R67 |
|--------------------|----------------|
|--------------------|----------------|

The full text for all R-phrases is displayed in section 16.

Hazard summary

| Physical hazards | Highly flammable. |
|-----------------------|---|
| Health hazards | Irritating to eyes. Vapours may cause drowsiness and dizziness. Occupational exposure to the substance or mixture may cause adverse health effects. |
| Environmental hazards | Not classified for hazards to the environment. |
| Specific hazards | Highly flammable. Irritating to eyes. Do not breathe dust/fume/gas/mist/vapors/spray. |
| Main symptoms | Irritation of eyes and mucous membranes. |
| | |

2.2. Label elements

Label according to Directive 67/548/EEC or 1999/45/EC as amended

EC number

EC label



R-phrases



Highly flammable R11 Highly flammable. R36 Irritating to eyes. R67 Vapours may cause drowsiness and dizziness.

| S-phrases | | S2 Keep out of the reach of children. S9 Keep container in a well-ventilated place. S16 Keep away from sources of ignition - No smoking. S23 Do not breathe gas/fumes/vapour/spray. S25 Avoid contact with 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. S60 This material and its container must be disposed of as hazardous waste. | | | | | | | |
|--|--|--|--|--|--|---|--|--|------------------------|
| Authorisation number | | Not available. | | | | | | | |
| Supplemental label informa | | Not applicable | - | | | | | | |
| 2.3. Other hazards | | Not assigned. | | | | | | | |
| SECTION 3: Composit | ion/in | formation (| on in | gredie | <u>ents</u> | | | | |
| 3.2. Mixtures General information | | | | | | | | | |
| Chemical name | | % | c | CAS-No. | / EC No. | REACH Registration | No. | INDEX No. | Notes |
| Propan-2-ol | | <= 9 | 7 | | 63-0 661-7 | 01-2119457558-25-xx | xxx | 603-117-00-0 | |
| Classification: | DSD: | F;R11, Xi;R | 36, R6 | 7 | | | | | |
| | CLP: | Flam. Liq. 2 | H225 | , Eye Irri | it. 2;H319, | STOT SE 3;H336 | | | |
| | | | | | | | | | |
| Adipic acid | | <= 2 | | | -04-9 673-3 | - | | 607-144-00-9 | |
| Classification: | DSD: | Xi;R36 | | _0.1 | | | | | |
| | CLP: | Eye Irrit. 2;F | 319 | | | | | | |
| DSD: Directive 67/548/E PBT: persistent, bioaccu vPvB: very persistent an #: This substance has be | imulativ d very l een ass | bioaccumulativ | e sub nity w | stance. orkplace | • | | | | |
| Composition comments | | The full text fo displayed in S | | | phrases is | displayed in section 16 | . The | full text for all R | phrases is |
| | | | | 16. | | | | | |
| SECTION 4: First aid n | neasu | ires | | 16. | | | | | |
| SECTION 4: First aid n General information | | Ensure that m | | personr | | are of the material(s) inv ss of breath, give oxyge | | , and take preca | utions to |
| General information 4.1. Description of first aid | measu | Ensure that m protect themse res | elves. | personr In case | of shortne | are of the material(s) inv ss of breath, give oxyge | n. | · · | |
| General information 4.1. Description of first aid Inhalation | measu | Ensure that m protect themse res Move to fresh symptoms dev | elves. air. Fo elop o | personr In case or breath or persis | of shortne ing difficul t. | are of the material(s) inv ss of breath, give oxyge ties, oxygen may be nea | n. cessa | ry. Call a physic | |
| General information 4.1. Description of first aid Inhalation Skin contact | measu | Ensure that m protect themse res Move to fresh symptoms dev Take off imme | elves. air. Fo elop o diately | personr In case or breath or persis | of shortne ing difficul t. aminated | are of the material(s) inv ss of breath, give oxyge ties, oxygen may be new clothing. Rinse skin with | n. cessa n wate | ry. Call a physic r/shower. | ian if |
| General information 4.1. Description of first aid Inhalation | measu | Ensure that m protect themse res Move to fresh symptoms dev Take off imme Flush eyes im | elves. air. Fo elop o diately media | personr In case or breath or persis all cont tely with | of shortne ing difficul t. aminated large amo | are of the material(s) inv ss of breath, give oxyge ties, oxygen may be nea | n. cessa n wate conta | ry. Call a physic r/shower. ct lenses, if pres | ian if |
| General information 4.1. Description of first aid Inhalation Skin contact | measu | Ensure that m protect themse res Move to fresh symptoms dev Take off imme Flush eyes im to do. Continu | elves. air. Fo elop o diately nedia e rinsi | personr In case or breath or persis v all cont tely with ng. Get | of shortnes ing difficul t. aminated large amo medical at | are of the material(s) inv ss of breath, give oxyge ties, oxygen may be new clothing. Rinse skin with punts of water. Remove | n. cessa n wate conta ops ai | ry. Call a physic r/shower. ct lenses, if pres nd persists. | ian if ent and easy |
| General information 4.1. Description of first aid Inhalation Skin contact Eye contact | measu | Ensure that m protect themse res Move to fresh symptoms dev Take off imme Flush eyes im to do. Continu | elves. air. Fo elop o diately media e rinsi f inge | personr In case or breath or persis all cont tely with ng. Get stion of | of shortne: ing difficul t. aminated large amo medical at a large am | are of the material(s) inv ss of breath, give oxyge ties, oxygen may be new clothing. Rinse skin with unts of water. Remove tention if irritation develo ount does occur, call a | n. cessa n wate conta ops ai | ry. Call a physic r/shower. ct lenses, if pres nd persists. | ian if ent and easy |
| General information 4.1. Description of first aid Inhalation Skin contact Eye contact Ingestion 4.2. Most important sympto and effects, both acute and | measu oms i | Ensure that m protect themse res Move to fresh symptoms dev Take off imme Flush eyes im to do. Continu Rinse mouth. | elves. air. Fc elop c diately media e rinsi f inge es and | personr In case or breath or persis or all cont tely with ng. Get stion of a | of shortne: ing difficul t. aminated large amo medical at a large am s membrar | are of the material(s) inv ss of breath, give oxyge ties, oxygen may be new clothing. Rinse skin with ounts of water. Remove tention if irritation develo ount does occur, call a nes. | n. cessa n wate conta ops ai | ry. Call a physic r/shower. ct lenses, if pres nd persists. | ian if ent and easy |
| General information 4.1. Description of first aid Inhalation Skin contact Eye contact Ingestion 4.2. Most important sympto and effects, both acute and delayed 4.3. Indication of any immediate medical attentio | measu oms i led | Ensure that m protect themse res Move to fresh symptoms dev Take off imme Flush eyes im to do. Continu Rinse mouth. Irritation of eye | elves. air. Fc elop c diately media e rinsi f inge es and | personr In case or breath or persis or all cont tely with ng. Get stion of a | of shortne: ing difficul t. aminated large amo medical at a large am s membrar | are of the material(s) inv ss of breath, give oxyge ties, oxygen may be new clothing. Rinse skin with ounts of water. Remove tention if irritation develo ount does occur, call a nes. | n. cessa n wate conta ops ai | ry. Call a physic r/shower. ct lenses, if pres nd persists. | ian if ent and easy |
| General information 4.1. Description of first aid Inhalation Skin contact Eye contact Ingestion 4.2. Most important sympto and effects, both acute and delayed 4.3. Indication of any immediate medical attentio and special treatment need | measu oms i led ng me | Ensure that m protect themse res Move to fresh symptoms dev Take off imme Flush eyes im to do. Continu Rinse mouth. Irritation of eye | elves. air. Fc elop c diately media e rinsi f inge es and | personr In case or breath or persis or all cont tely with ng. Get stion of a | of shortne: ing difficul t. aminated large amo medical at a large am s membrar | are of the material(s) inv ss of breath, give oxyge ties, oxygen may be new clothing. Rinse skin with ounts of water. Remove tention if irritation develo ount does occur, call a nes. | n. cessa n wate conta ops ai | ry. Call a physic r/shower. ct lenses, if pres nd persists. | ian if ent and easy |
| General information 4.1. Description of first aid Inhalation Skin contact Eye contact Ingestion 4.2. Most important sympto and effects, both acute and delayed 4.3. Indication of any immediate medical attentio and special treatment need SECTION 5: Firefightin | measu oms i led ng me | Ensure that m protect themse res Move to fresh symptoms dev Take off imme Flush eyes im to do. Continu Rinse mouth. Irritation of eye In case of sho | elves. air. Fc elop c diately media e rinsi f inge es and | personr In case or breath or persis or all cont tely with ng. Get stion of a | of shortne: ing difficul t. aminated large amo medical at a large am s membrar | are of the material(s) inv ss of breath, give oxyge ties, oxygen may be new clothing. Rinse skin with ounts of water. Remove tention if irritation develo ount does occur, call a nes. | n. cessa n wate conta ops ai | ry. Call a physic r/shower. ct lenses, if pres nd persists. | ian if ent and easy |
| General information 4.1. Description of first aid Inhalation Skin contact Eye contact Ingestion 4.2. Most important sympton and effects, both acute and delayed 4.3. Indication of any immediate medical attention and special treatment need SECTION 5: Firefightin General fire hazards | measu oms i led <u>ng me</u> | Ensure that m protect themse res Move to fresh symptoms dev Take off imme Flush eyes im to do. Continu Rinse mouth. Irritation of eye In case of sho <u>asures</u> Not available. | elves. air. Fo elop o diately media e rinsi f inge s and thess | personr In case or breath or persis all cont tely with ng. Get stion of a l mucous | of shortne: ing difficul t. aminated large amo medical at a large am s membrar th, give ox | are of the material(s) inv ss of breath, give oxyge ties, oxygen may be new clothing. Rinse skin with ounts of water. Remove tention if irritation develo ount does occur, call a nes. | n. cessa n wate conta ops ai poisoi | ry. Call a physic r/shower. ct lenses, if pres nd persists. | ian if ent and easy |

Fire may produce irritating, corrosive and/or toxic gases.

5.2. Special hazards arising

from the substance or mixture

| 5.3. Advice for firefighters | |
|---|--|
| Special protective equipment for firefighters | Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Structural firefighters protective clothing will only provide limited protection. |
| Special fire fighting procedures | In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Withdraw immediately in case of rising sound from venting safety device or any discolouration of tanks due to fire. Move containers from fire area if you can do so without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| SECTION 6: Accidental re | lease measures |

measures

| 6.1. Personal precautions, prote | ctive equipment and emergency procedures |
|----------------------------------|--|
| For non-emergency personnel | Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them. Avoid inhalation of vapours and spray mists. |
| For emergency responders | Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the MSDS. |
| 6.2. Environmental precautions | Prevent further leakage or spillage if safe to do so. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. |
| 6.3. Methods and material for | Extinguish all flames in the vicinity. |
| containment and cleaning up | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. |
| | Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| | Never return spills in original containers for re-use. For waste disposal, see section 13. |
| 6.4. Reference to other sections | For personal protection, see section 8. For waste disposal, see section 13. |
| SECTION 7: Handling and | storage |
| 7.1. Precautions for safe | May be junited by open flame. Keep away from sources of junition - No smoking. When using do |

7.1. Precautions for safe May be ignited by open flame. Keep away from sources of ignition - No smoking. When using do handling not smoke. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material in contact with skin. Avoid prolonged exposure. 7.2. Conditions for safe Do not handle or store near an open flame, heat or other sources of ignition. Avoid temperatures storage, including any exceeding 30 °C and below 5 °C. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Refrigeration recommended. Store in a well-ventilated place. incompatibilities

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

| Occupational exposure limits UK. EH40 Workplace Expo | osure Limits (WELs) | |
|---|---|---|
| Components | Туре | Value |
| Propan-2-ol (67-63-0) | STEL | 1250 mg/m3 500 ppm |
| | TWA | 999 mg/m3 400 ppm |
| Biological limit values | No biological exposure limits noted | for the ingredient(s). |
| Recommended monitoring procedures | Follow standard monitoring procedu | ires. |
| 8.2. Exposure controls | | |
| Appropriate engineering controls | should be matched to conditions. If or other engineering controls to mai | 0 air changes per hour) should be used. Ventilation rates applicable, use process enclosures, local exhaust ventilation, ntain airborne levels below recommended exposure limits. If plished, maintain airborne levels to an acceptable level. |
| Individual protection measure | s, such as personal protective equip | ment |
| Eye/face protection | Avoid contact with eyes. Chemical g | joggles are recommended. |
| Skin protection | | |

| - Hand protection | Wear protective gloves. Nitrile gloves are recommended. |
|---------------------------------|---|
| - Other | Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. |
| Respiratory protection | Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. |
| Thermal hazards | Not available. |
| Hygiene measures | When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. Wash hands after handling. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practices. |
| Environmental exposure controls | Environmental manager must be informed of all major releases. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

| •• | |
|---|----------------------------------|
| Physical state | Liquid. |
| Form | liquid |
| Colour | Colourless. |
| Odour | Alcoholic. |
| Odour threshold | Not available. |
| рН | Not applicable. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | > 82 °C (> 179.6 °F) @ 1013 mbar |
| Flash point | 13.00 °C (55.40 °F) Isopropanol |
| Evaporation rate | Not applicable. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or expl | osive limits |

Upper/lower flammability or explosive limits

| Explosive limit - lower (%) | 2 % |
|--|--------------------|
| Explosive limit – upper (%) | 12 % |
| Vapour pressure | 40 mbar @ 20 °C |
| Vapour density | Not applicable. |
| Relative density | Not available. |
| Solubility(ies) | miscible |
| Partition coefficient (n-octanol/water) | Not available. |
| Ignition temperature | 399 °C (750.2 °F) |
| Decomposition temperature | Not available. |
| Viscosity | Not applicable. |
| Explosive properties | Not available. |
| Oxidizing properties | Not available. |
| 9.2. Other information | |
| Density | 0.80 g/cm³ @ 20 °C |
| VOC (Weight %) | < 97 % |

SECTION 10: Stability and reactivity

| 10.2. Chemical stability | Risk of ignition. |
|---|--|
| 10.3. Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| 10.4. Conditions to avoid | Heat, flames and sparks. Avoid temperatures exceeding the flash point. |
| 10.5. Incompatible materials | Strong oxidizing agents. May be corrosive to metals. |
| 10.6. Hazardous decomposition products | Fire may produce irritating, corrosive and/or toxic gases. |

SECTION 11: Toxicological information

| General information | Not available. | | |
|--|--|--|--|
| Information on likely routes of exposure | | | |
| Ingestion | Not available. | | |
| Inhalation | Not available. | | |
| Skin contact | Not available. | | |
| Eye contact | Irritating to eyes. | | |
| Symptoms | Irritation of eyes and mucous membranes. | | |

11.1. Information on toxicological effects

| Components | Species | Test results |
|--|---|---------------------|
| Adipic acid (124-04-9) | | |
| Acute | | |
| Inhalation | | |
| NOEL | Rat | 0.126 mg/l, 6 Hours |
| Oral | | |
| LD50 | Mouse | 1900 mg/kg |
| | Rabbit | > 11000 mg/kg |
| | Rat | > 11000 mg/kg |
| Other | | |
| LD50 | Mouse | 680 mg/kg |
| Propan-2-ol (67-63-0) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 12800 mg/kg |
| Oral | | |
| LD50 | Mouse | 4.5 g/kg |
| | Rabbit | 5.03 g/kg |
| | Rat | 4.7 g/kg |
| Skin corrosion/irritation | Not available. | |
| Serious eye damage/irritation | Irritating to eyes. | |
| Respiratory sensitisation | Not available. | |
| Skin sensitisation | Not available. | |
| Germ cell mutagenicity | Not available. | |
| Carcinogenicity | Not available. | |
| Reproductive toxicity | Not available. | |
| Specific target organ toxicity - single exposure | Not available. | |
| Specific target organ toxicity - repeated exposure | Not available. | |
| Aspiration hazard | Not available. | |
| Mixture versus substance information | Not available. | |
| Other information | Not available. | |
| SECTION 12: Ecological in | nformation | |
| 12.1. Toxicity | Not expected to be harmful to aquatic organisms. Avoid discharge into drains, water courses or onto the ground. | |

| onto the g | ground. | | |
|------------|---------------------------------|--------------------------------------|--|
| | Species | Test results | |
| | | | |
| | | | |
| LC50 | Fathead minnow (Pimephales prom | nelas) 97 mg/l, 96 hours | |
| | | | |
| | | | |
| EC50 | Water flea (Daphnia magna) | 13299 mg/l, 48 hours | |
| | LC50 | LC50 Fathead minnow (Pimephales pron | |

Material name: Lötflussmittel X33F-07i / X33S-07i

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| Components | | Species | Test results |
|--|--|---------------------------------------|--|
| Fish | LC50 | Bluegill (Lepomis macrochirus) | > 1400 mg/l, 96 hours |
| 12.2. Persistence and degradability | The product is easily biodegradable. | | |
| 12.3. Bioaccumulative potential | Not available. | | |
| Partition coefficient n-octanol/water (log Kow) | | | |
| Propan-2-ol | | 0.05 | |
| Adipic acid | | 0.08 | |
| Bioconcentration factor (BCF) | Not available. | | |
| 12.4. Mobility in soil | Not available. | | |
| 12.5. Results of PBT and vPvB assessment | Not a PBT or | vPvB substance or mixture. | |
| 12.6. Other adverse effects | Not available. | | |
| SECTION 13: Disposal cor | nsiderations | | |
| 13.1. Waste treatment methods | | | |
| Residual waste | Dispose of in ground. | accordance with local regulations. Av | oid discharge into water courses or onto the |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. | | |
| EU waste code | Waste codes should be assigned by the user based on the application for which the product was | | |

Disposal methods/information This material and its container must be disposed of as hazardous waste. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not discharge into drains, water courses or onto the ground. Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

| ADR | |
|-----------------------------|----------------|
| 14.1. UN number | UN1219 |
| 14.2. UN proper shipping | Isopropanol |
| name | |
| 14.3. Transport hazard | 3 |
| class(es) | |
| Subsidiary class(es) | - |
| 14.4. Packing group | II |
| 14.5. Environmental hazards | - |
| Tunnel restriction code | D/E |
| Labels required | 3 |
| 14.6. Special precautions | Not available. |
| for user | |
| Hazard ID | 33 |
| ΙΑΤΑ | |
| 14.1. UN number | UN1219 |
| 14.2. UN proper shipping | Isopropanol |
| name | |
| 14.3. Transport hazard | 3 |
| class(es) | |
| Subsidiary class(es) | - |
| 14.4. Packing group | II |
| 14.5. Environmental hazards | |
| Labels required | Not available. |
| ERG Code | 3L |
| 14.6. Special precautions | Not available. |
| for user | |
| IMDG | |
| 14.1. UN number | UN1219 |
| 14.2. UN proper shipping | Isopropanol |
| name | - |
| 14.3. Transport hazard | 3 |
| class(es) | |
| Subsidiary class(es) | - |
| 14.4. Packing group | II |

| 14.5. Environmental beneral | _ |
|---|---|
| 14.5. Environmental hazard | s No |
| Marine pollutant Labels required | Not available. |
| EmS No. | F-E, S-D |
| 14.6. Special precautions | Not available. |
| for user | |
| 14.7. Transport in bulk | This substance/mixture is not intended to be transported in bulk. |
| according to Annex II of MARPOL 73/78 and the IBC Code | |
| SECTION 15: Regulatory in | nformation |
| | mental regulations/legislation specific for the substance or mixture |
| EU regulations | |
| Regulation (EC) No. 1005/20 | 009 on substances that deplete the ozone layer, Annex I |
| • • • | 009 on substances that deplete the ozone layer, Annex II |
| Not listed. Regulation (EC) No. 850/200 | 04 on persistent organic pollutants, Annex I as amended |
| Not listed. | |
| Not listed. | 8 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended |
| Regulation (EC) No. 689/200 Not listed. | 8 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended |
| Regulation (EC) No. 689/200 Not listed. | 8 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended |
| | 8 concerning the export and import of dangerous chemicals, Annex V as amended |
| | 6 Annex II Pollutant Release and Transfer Registry |
| Regulation (EC) No. 1907/20 | 06, REACH Article 59(1) Candidate List as currently published by ECHA |
| Not listed. | |
| Authorisations | |
| Regulation (EC) No. 143/201 Not listed. | 1 Annex XIV Substances Subject to Authorisation |
| Restrictions on use | |
| Regulation (EC) No. 1907/20 | 06, REACH Annex XVII Substances subject to restriction on marketing and use as amended |
| Propan-2-ol (CAS 67-63- Directive 2004/37/EC: on the work | 0) e protection of workers from the risks related to exposure to carcinogens and mutagens at |
| Not regulated. | |
| - | safety and health of pregnant workers and workers who have recently given birth or are |
| Not regulated. | |
| Other EU regulations | |
| Directive 96/82/EC (Seveso | II) on the control of major-accident hazards involving dangerous substances |
| Not regulated. Directive 98/24/EC on the pr | otection of the health and safety of workers from the risks related to chemical agents at work |
| Adipic acid (CAS 124-04- Propan-2-ol (CAS 67-63- | , |
| Directive 94/33/EC on the pr | otection of young people at work |
| Not regulated. | |
| Other regulations | The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. |
| National regulations | Not available. |
| 15.2. Chemical safety assessment | No Chemical Safety Assessment has been carried out. |
| SECTION 16: Other inform | ation |

SECTION 16: Other information

List of abbreviations

Material name: Lötflussmittel X33F-07i / X33S-07i

Not available.

| References | Not available. |
|--|---|
| Information on evaluation method leading to the classification of mixture | Not available. |
| Full text of any statements or R-phrases and H-statements under Sections 2 to 15 | R11 Highly flammable. R36 Irritating to eyes. R67 Vapours may cause drowsiness and dizziness. H225 - Highly flammable liquid and vapour. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. |
| Training information | Not available. |
| Disclaimer | The information in the sheet was written based on the best knowledge and experience currently available. |
| SDS sections updated | Product and company identification: Product and company identification Regulatory information: Safety phrases |