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Safety data sheet

BASF Safety data sheet
Date / Revised: 09.02.2017 Version: 4.0
Product: **AO109910 30-S910 TOPCOAT**

(30289054/SDS_GEN_AU/EN)
Date of print 10.02.2017

1. Substance/preparation and manufacturer/supplier identification

AO109910 30-S910 TOPCOAT

Manufacturer/supplier:
BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place Southbank
Victoria 3006, AUSTRALIA
Telephone: +61 3 8855-6600
Telefax number: +61 3 8855-6511

Emergency information:
BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

Classification of the substance and mixture:
Skin corrosion/irritation: Cat. 3
Serious eye damage/eye irritation: Cat. 2A
Specific target organ toxicity — single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)
Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)
Hazardous to the aquatic environment - acute: Cat. 3
Hazardous to the aquatic environment - chronic: Cat. 3
Flammable liquids: Cat. 3

Label elements and precautionary statement:

Pictogram:

Signal Word:
Warning

Hazard Statement:
Flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):
Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Wash with plenty of water and soap thoroughly after handling. Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Avoid release to the environment. Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary Statements (Response):
Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire: Use water spray for extinction. If skin irritation occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If eye irritation persists: Get medical advice/attention.

Precautionary Statements (Storage):
Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Precautionary Statements (Disposal):
Dispose of contents/container to hazardous or special waste collection point.

Repeated exposure may cause skin dryness or cracking.

3. Composition/information on ingredients

Chemical nature

acrylic resin, organic solvent, pigment

Hazardous ingredients

1,2,4-trimethylbenzene

Content (W/W): >= 7 % - < 10 %	Flam. Liq.: Cat. 3
CAS Number: 95-63-6	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 2

4-methylpentan-2-one

Content (W/W): >= 3 % - < 5 %	Flam. Liq.: Cat. 2
CAS Number: 108-10-1	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (irr. to respiratory syst.)

mesitylene

Content (W/W): >= 2 % - < 2.5 %	Asp. Tox.: Cat. 1
CAS Number: 108-67-8	Flam. Liq.: Cat. 3
	Skin Corr./Irrit.: Cat. 2
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 2

n-Butyl acetate

Content (W/W): >= 10 % - < 12.5 %	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

Solvent naphtha (petroleum), light arom.

Content (W/W): >= 12.5 % - < 15 %	Asp. Tox.: Cat. 1
CAS Number: 64742-95-6	Flam. Liq.: Cat. 1
	Skin Corr./Irrit.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 2

4. First-Aid Measures

General advice:
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

If inhaled:
Remove affected person from danger area. Keep warm, calm and covered up. If breathing is irregular or stopped, administer artificial respiration. Seek medical assistance. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

On skin contact:
Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:
Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution. Seek medical assistance.

On ingestion:
If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

5. Fire-Fighting Measures

Suitable extinguishing media:
Foam (alcohol resistant), carbon dioxide, powders, water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Unsuitable extinguishing media for safety reasons:
water jet

Specific hazards:
Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:
Appropriate breathing apparatus may be required.

Further information:
Cool closed containers in the vicinity of the source of fire.

6. Accidental Release Measures

Personal precautions:
Avoid contact with skin and eyes. Keep away from sources of ignition. Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Avoid inhalation of vapour and spray mist. Ensure adequate ventilation. Avoid breathing vapours.

Environmental precautions:
Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

Methods for cleaning up or taking up:
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for diposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents.

7. Handling and Storage

Handling

Avoid contact with skin and eyes. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Avoid inhalation of dust from sanding. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the

particulates and solvent vapour concentration has fallen below the exposure limits. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. Keep container dry and tightly closed in a cool well-ventilated place. Avoid all sources of ignition: heat, sparks, open flame. Avoid inhalation of vapour and spray mist. Do not use any sparking tools.

Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Stove-lacquer R 78433, Stove-lacquer EHD0022, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)
Further information on storage conditions: Electrical equipment must be explosion-proof to the appropriate standard. Floors must be of conducting type and impermeable to the materials being stored. Keep container tightly closed. Never use pressure to empty; container is not a pressure vessel. Close containers carefully once opened and store upright in order to prevent any leakage. No smoking. Prevent unauthorized access. Detailed information can be gained from the relevant technical data sheets. Always keep in containers of same material as the original one. Observe label precautions. Store in a dry, well ventilated place. Protect from direct sunlight. Keep away from sources of ignition. Keep away from heat.

Storage stability:
Storage temperature: 5.00 - 35.00 °C

8. Exposure controls and personal protection

Components with occupational exposure limits

1,2,4-trimethylbenzene, 95-63-6;
TWA value 25 ppm (ACGIHTLV)
TWA value 123 mg/m3 ; 25 ppm (OEL (AU))
TWA value 123 mg/m3 ; 25 ppm (AU NOEL)

4-methylpentan-2-one, 108-10-1;
STEL value 75 ppm (ACGIHTLV)
TWA value 20 ppm (ACGIHTLV)
TWA value 205 mg/m3 ; 50 ppm (AU NOEL)
STEL value 307 mg/m3 ; 75 ppm (AU NOEL)
STEL value 307 mg/m3 ; 75 ppm (OEL (AU))
TWA value 205 mg/m3 ; 50 ppm (OEL (AU))

mesitylene, 108-67-8;
TWA value 25 ppm (ACGIHTLV)
TWA value 123 mg/m3 ; 25 ppm (OEL (AU))
TWA value 123 mg/m3 ; 25 ppm (AU NOEL)

n-Butyl acetate, 123-86-4;

TWA value 150 ppm (ACGIHTLV)
STEL value 200 ppm (ACGIHTLV)
TWA value 713 mg/m3 ; 150 ppm (OEL (AU))
STEL value 950 mg/m3 ; 200 ppm (OEL (AU))
STEL value 950 mg/m3 ; 200 ppm (AU NOEL)
TWA value 713 mg/m3 ; 150 ppm (AU NOEL)

Personal protective equipment

Respiratory protection:
Respiratory protection not required. When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet (sanding/ flatting) should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:
Further information on penetration time is available from the manufacturer of the glove.
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).
Wear protective gloves. Any chemical protection glove certified according to EN 374 is suitable: e.g. nitrile gloves - material thickness: 1,25 mm

Eye protection:
Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:
Body protection not required., Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:
The country-specific occupational exposure limits applicable to the substances specified in section 3 must be taken into account. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

9. Physical and Chemical Properties

Form:	liquid
Colour:	black
Odour:	specific
Flash point:	23 °C

Flammability (solid/gas):	not applicable	
Lower explosion limit:	36 g/m3	
Density:	1.004 g/cm3	
Miscibility with water:	immiscible	
Viscosity, kinematic:	300.0 mm2/s	
Flow time:	> 44 s	(DIN EN ISO 2431; 6 mm)

10. Stability and Reactivity

Substances to avoid:
Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:
No hazardous reactions if stored and handled as prescribed/indicated.
The product is stable if stored and handled as prescribed/indicated.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. The mixture has been assessed following regulation (EC) No 1272/2008. See sections 2 and 3 for details.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
No data available.

Persistence and degradability

Assessment biodegradation and elimination (H2O):
Biological degradability of hazardous substances mentioned in section 3:

Information on: 1,2,4-trimethylbenzene
Elimination information:
< 20 % BOD of the ThOD (28 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))
Literature data.

Information on: propylbenzene
Elimination information:
34.4 % BOD of the ThOD (8 d) (other) (aerobic, activated sludge, domestic)

Information on: mesitylene
Elimination information:
0 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))
Literature data.

61.3 % BOD of the ThOD (46 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic)

Information on: Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified
Elimination information:
77 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

96 % CO2 formation relative to the theoretical value (28 d) (ISO 14593) (aerobic, activated sludge, domestic, adapted)
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13. Disposal Considerations

Observe national and local legal requirements.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.
Dispose of in accordance with national, state and local regulations.

14. Transport Information

Domestic transport:

Hazard class:	3
Packing group:	III
ID number:	UN 1263
Hazard label:	3
Proper shipping name:	PAINT

Further information
Hazchem Code:3Y
IERG Number:14

Sea transport
IMDG

Hazard class:	3
Packing group:	III
ID number:	UN 1263
Hazard label:	3
Marine pollutant:	NO
Proper shipping name:	PAINT

Air transport
IATA/ICAO

Hazard class:	3
Packing group:	III
ID number:	UN 1263
Hazard label:	3
Proper shipping name:	PAINT

15. Regulatory Information

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

Registration status:

AICS, AU	released / listed

16. Other Information

Recommended use: Sprayable

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.