

SAFETY DATA SHEET

INTERCRYL 700 WHITE

Section 1. Identification

INTERCRYL 700 WHITE : GHS product identifier
QYB000 : Product code

Identified uses	
Professional application of coatings and inks	
Uses advised against	Reason
All Other Uses	

International Farg AB : **Supplier's details**
 Holmedalen 3
 Aspereds Industriområde
 SE-424 22 Angered
 Sweden

Tel: +46 (0) 31 928500 Fax: +46 (0) 31 928530

+46 8 33 12 31 : **Emergency telephone number (with hours of operation)**
 +966 55 388 0087 : **National advisory body/ Poison Centre (For use only by licensed medical professionals.)**
 sdsfellinguk@akzonobel.com : **e-mail address of person responsible for this SDS**

Section 2. Hazards identification

SKIN SENSITIZATION - Category 1 : **Classification of the substance or mixture**
 TOXIC TO REPRODUCTION (Unborn child) - Category 2

GHS label elements



: **Hazard pictograms**

Warning : **Signal word**
 May cause an allergic skin reaction. : **Hazard statements**
 Suspected of damaging the unborn child.

Precautionary statements

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Avoid breathing vapour. Contaminated work clothing should not be allowed out of the workplace. : **Prevention**
 IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical attention. : **Response**
 Store locked up. : **Storage**

Section 2. Hazards identification

Dispose of contents and container in accordance with all local, regional, national and international regulations.	: Disposal
Wear appropriate respirator when ventilation is inadequate.	: Supplemental label elements
None known.	: Other hazards which do not result in classification

Section 3. Composition/information on ingredients

Mixture : Substance/mixture

Classification	CAS number	% by weight	Ingredient name
Flam. Liq. 4, H227 Acute Tox. 5, H303 Acute Tox. 5, H313 Eye Irrit. 2A, H319	112-34-5	≤3	2-(2-butoxyethoxy)ethanol
Flam. Liq. 4, H227 Eye Irrit. 2A, H319 Repr. 2, H361 (Unborn child)	111-77-3	<1	2-(2-methoxyethoxy)ethanol
Skin Corr. 1B, H314 STOT SE 3, H335 Aquatic Acute 1, H400	1336-21-6	<0.25	ammonia
Acute Tox. 3, H301	55965-84-9	<0.06	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410			

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.	: Eye contact
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.	: Inhalation
Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.	: Skin contact

Section 4. First aid measures

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

: Ingestion

Most important symptoms/effects, acute and delayed

Potential acute health effects

No known significant effects or critical hazards. : Eye contact
 No known significant effects or critical hazards. : Inhalation
 May cause an allergic skin reaction. : Skin contact
 No known significant effects or critical hazards. : Ingestion

Over-exposure signs/symptoms

No specific data. : Eye contact
 Adverse symptoms may include the following: : Inhalation
 reduced foetal weight
 increase in foetal deaths
 skeletal malformations
 Adverse symptoms may include the following: : Skin contact
 irritation
 redness
 reduced foetal weight
 increase in foetal deaths
 skeletal malformations
 Adverse symptoms may include the following: : Ingestion
 reduced foetal weight
 increase in foetal deaths
 skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. : Notes to physician
 No specific treatment. : Specific treatments
 No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. : Protection of first-aiders
 Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Use an extinguishing agent suitable for the surrounding fire. : Suitable extinguishing media
 None known. : Unsuitable extinguishing media
 In a fire or if heated, a pressure increase will occur and the container may burst. : Specific hazards arising from the chemical

Section 5. Firefighting measures

Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides	: Hazardous thermal decomposition products
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.	: Special protective actions for fire-fighters
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.	: Special protective equipment for fire-fighters

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.	: For non-emergency personnel
If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	: For emergency responders
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).	: Environmental precautions

Methods and material for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.	: Small spill
Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.	: Large spill

Section 7. Handling and storage

Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.	: Protective measures
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Section 7. Handling and storage

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

: **Advice on general occupational hygiene**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

: **Conditions for safe storage, including any incompatibilities**

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Exposure limits	Ingredient name
ACGIH TLV (United States, 3/2015). TWA: 10 ppm 8 hours. Form: Inhalable fraction and vapor	2-(2-butoxyethoxy)ethanol

If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

: **Appropriate engineering controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

: **Environmental exposure controls**

Individual protection measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

: **Hygiene measures**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

: **Eye/face protection**

Skin protection

Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms. Recommended: Viton® or Nitrile gloves. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

: **Hand protection**

Section 8. Exposure controls/personal protection

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

: **Body protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

: **Other skin protection**

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

: **Respiratory protection**

Section 9. Physical and chemical properties

Appearance

Liquid.

: **Physical state**

White.

: **Colour**

Ammonia.

: **Odour**

Not available.

: **Odour threshold**

Not applicable.

: **pH**

Not available.

: **Melting point**

Lowest known value: 100°C (212°F) (water).

: **Boiling point**

Closed cup: 100°C (212°F) [Product does not sustain combustion.]

: **Flash point**

Not available.

: **Evaporation rate**

Not available.

: **Flammability (solid, gas)**

Not applicable.

: **Lower and upper explosive (flammable) limits**

Not available.

: **Vapour pressure**

Not available.

: **Vapour density**

1.18

: **Relative density**

Soluble in the following materials: cold water.

: **Solubility**

Not available.

: **Partition coefficient: n-octanol/water**

Not available.

: **Auto-ignition temperature**

Not available.

: **Decomposition temperature**

Kinematic (room temperature): 508 mm²/s (508 cSt)

: **Viscosity**

Section 10. Stability and reactivity

No specific test data related to reactivity available for this product or its ingredients.

: **Reactivity**

The product is stable.

: **Chemical stability**

Under normal conditions of storage and use, hazardous reactions will not occur.

: **Possibility of hazardous reactions**

No specific data.

: **Conditions to avoid**

No specific data.

: **Incompatible materials**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

: **Hazardous decomposition products**

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Exposure	Dose	Species	Result	Product/ingredient name
-	2700 mg/kg	Rabbit	LD50 Dermal	2-(2-butoxyethoxy)ethanol ammonia reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
-	4500 mg/kg	Rat	LD50 Oral	
-	350 mg/kg	Rat	LD50 Oral	
-	53 mg/kg	Rat	LD50 Oral	

Irritation/Corrosion

Observation	Exposure	Score	Species	Result	Product/ingredient name
-	24 hours 20 milligrams	-	Rabbit	Eyes - Moderate irritant	2-(2-butoxyethoxy)ethanol
-	20 milligrams	-	Rabbit	Eyes - Severe irritant	
-	24 hours 500 milligrams	-	Rabbit	Eyes - Mild irritant	2-(2-methoxyethoxy)ethanol
-	500 milligrams	-	Rabbit	Eyes - Moderate irritant	
-	250 Micrograms	-	Rabbit	Eyes - Severe irritant	ammonia
-	0.5 minutes	-	Rabbit	Eyes - Severe irritant	
-	1 milligrams	-	Rabbit	Eyes - Severe irritant	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
-	0.01 Percent	-	Human	Skin - Severe irritant	

Sensitisation

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Target organs	Route of exposure	Category	Name
Respiratory tract irritation	Not applicable.	Category 3	ammonia

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Section 11. Toxicological information

Not available. : Information on likely routes of exposure

Potential acute health effects

No known significant effects or critical hazards. : Eye contact
 No known significant effects or critical hazards. : Inhalation
 May cause an allergic skin reaction. : Skin contact
 No known significant effects or critical hazards. : Ingestion

Symptoms related to the physical, chemical and toxicological characteristics

No specific data. : Eye contact
 Adverse symptoms may include the following: : Inhalation
 reduced foetal weight
 increase in foetal deaths
 skeletal malformations
 Adverse symptoms may include the following: : Skin contact
 irritation
 redness
 reduced foetal weight
 increase in foetal deaths
 skeletal malformations
 Adverse symptoms may include the following: : Ingestion
 reduced foetal weight
 increase in foetal deaths
 skeletal malformations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Not available. : Potential immediate effects
 Not available. : Potential delayed effects

Long term exposure

Not available. : Potential immediate effects
 Not available. : Potential delayed effects

Potential chronic health effects

Not available.
 Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. : General
 No known significant effects or critical hazards. : Carcinogenicity
 No known significant effects or critical hazards. : Mutagenicity
 Suspected of damaging the unborn child. : Teratogenicity
 No known significant effects or critical hazards. : Developmental effects
 No known significant effects or critical hazards. : Fertility effects

Numerical measures of toxicity

Acute toxicity estimates

ATE value	Route
435518.5 mg/kg	Oral
261311.1 mg/kg	Dermal

Section 11. Toxicological information

Section 12. Ecological information

Toxicity

Exposure	Species	Result	Product/ingredient name
96 hours	Fish - Lepomis macrochirus	Acute LC50 1300000 µg/l Fresh water	2-(2-butoxyethoxy)ethanol
48 hours	Daphnia - Daphnia magna	Acute EC50 930 ppm Fresh water	2-(2-methoxyethoxy)ethanol
96 hours	Fish - Oncorhynchus mykiss	Acute LC50 960 ppm Fresh water	
96 hours	Fish - Gambusia affinis - Adult	Acute LC50 15000 µg/l Fresh water	ammonia

Persistence and degradability

Not available.

Bioaccumulative potential

Potential	BCF	LogP _{ow}	Product/ingredient name
low	-	1	2-(2-butoxyethoxy)ethanol
low	-	-0.47	2-(2-methoxyethoxy)ethanol

Mobility in soil

Not available.

: Soil/water partition coefficient (K_{oc})

No known significant effects or critical hazards.

: Other adverse effects

Section 13. Disposal considerations

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

: Disposal methods

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

IATA	IMDG	UN	
Not regulated.	Not regulated.	Not regulated.	UN number
-	-	-	UN proper shipping name
-	-	-	Transport hazard class(es)
-	-	-	Packing group

Section 14. Transport information

No.	No.	No.	Environmental hazards
-	-	-	Additional information

Not applicable.

: IMDG Code Segregation group

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

: Special precautions for user

Not available.

: Transport in bulk according to Annex II of Marpol and the IBC Code

Section 15. Regulatory information

No known specific national and/or regional regulations applicable to this product (including its ingredients).

: Safety, health and environmental regulations specific for the product

Section 16. Other information

Justification

Justification	Classification
Calculation method	Skin Sens. 1, H317
Calculation method	Repr. 2, H361 (Unborn child)

History

30/05/2017

: Date of printing

30/05/2017

: Date of issue/Date of revision

11/06/2016

: Date of previous issue

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: Version

ATE = Acute Toxicity Estimate

: Key to abbreviations

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

Not available.

: References

Indicates information that has changed from previously issued version. 

Notice to reader

IMPORTANT NOTE: the information contained in this data sheet (as may be amended from time to time) is not intended to be exhaustive and is presented in good faith and believed to be correct as of the date on which it is prepared. It is the user's responsibility to verify that this data sheet is current prior to using the product to which it relates.

Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

Section 16. Other information

MANUFACTURER'S DISCLAIMER: the conditions, methods and factors affecting the handling, storage, application, use and disposal of the product are not under the control and knowledge of the manufacturer. Therefore the manufacturer does not assume responsibility for any adverse events which may occur in the handling, storage, application, use, misuse or disposal of the product and, so far as permitted by applicable law, the manufacturer expressly disclaims liability for any and all loss, damages and/or expenses arising out of or in any way connected to the storage, handling, use or disposal of the product. Safe handling, storage, use and disposal are the responsibility of the users. Users must comply with all applicable health and safety laws.

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