SAFETY DATA SHEET

INTERFINE 878 MEDIUM BASE PART A

Section 1. Identification

INTERFINE 878 MEDIUM BASE PART A SZA120

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: GHS product identifier

: Product code

Identified uses	
Professional application of coatings and inks	
Uses advised against	Reason
All Other Uses	
International Farg AB Holmedalen 3 Aspereds Industriomrade SE-424 22 Angered Sweden	: Supplier's details
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	 <u>National advisory body/</u> <u>Poison Centre (For use only</u> <u>by licensed medical</u> <u>professionals.</u>)
sdsfellinguk@akzonobel.com	: e-mail address of person responsible for this SDS
Section 2. Hazards identification	
FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1	: Classification of the substance or mixture
GHS label elements	
	: Hazard pictograms
Warning	: Signal word
Flammable liquid and vapour. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. <u>Precautionary statements</u>	: Hazard statements

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Section 2. Hazards identification

Wear protective gloves. Wear eye or face protection. Keep away from heat, hot : Prevention surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Avoid breathing vapour. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin : Response with water or shower. 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. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Store in a well-ventilated place. Keep cool. : Storage Dispose of contents and container in accordance with all local, regional, national : Disposal and international regulations. 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

CAS number	% by weight	Ingredient name
13048-33-4	≥10 - ≤22	hexamethylene diacrylate
67-63-0	≤5	Isopropyl alcohol
1330-20-7	≤5	xylene
108-65-6	≤3	2-methoxy-1-methylethyl acetate
911674-82-3	≤2.7	Amides, castor-oil, hydrogenated, N,N'-[1, 3-phenylene-bis(methylene)] bis-
	13048-33-4 67-63-0 1330-20-7 108-65-6	13048-33-4 ≥10 - ≤22 67-63-0 ≤5 1330-20-7 ≤5 108-65-6 ≤3

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.	:	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 adverse health effects persist or are severe. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	:	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
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 if adverse health effects persist or are severe. 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		
Causes serious eye irritation.	:	Eye contact
Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.	:	Inhalation
Causes skin irritation. May cause an allergic skin reaction.	:	Skin contact
Irritating to mouth, throat and stomach.	:	Ingestion
Over-exposure signs/symptoms		
Adverse symptoms may include the following: pain or irritation watering redness	:	Eye contact
Adverse symptoms may include the following: headache drowsiness/fatigue dizziness/vertigo muscle weakness unconsciousness	:	Inhalation
Adverse symptoms may include the following: irritation redness	:	Skin contact
No specific data.	:	Ingestion
Indication of immediate medical attention and encoded treatment readed. If reas		
Indication of immediate medical attention and special treatment needed, if nece		
In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	:	Notes to physician
No specific treatment.	:	Specific treatments





Section 4. First aid measures

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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

: Protection of first-aiders

See toxicological information (Section 11)

Section 5. Firefighting measures	
Extinguishing media	
Use dry chemical, CO ₂ , water spray (fog) or foam.	: Suitable extinguishing media
Do not use water jet.	: Unsuitable extinguishing media
Flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.	: Specific hazards arising from the chemical
Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.	: 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. 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. Use spark-proof tools and : **Small spill** explosion-proof equipment. 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.



Section 6. Accidental release measures

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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.

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. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

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.

Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Vapours are heavier than air and may spread along floors. Separate from oxidizing materials. 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.

: Protective measures

occupational hygiene

: Advice on general

: 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). STEL: 400 ppm 15 minutes. TWA: 200 ppm 8 hours.	Isopropyl alcohol
ACGIH TLV (United States, 3/2015). STEL: 651 mg/m ³ 15 minutes. STEL: 150 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. TWA: 100 ppm 8 hours.	xylene

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

: Appropriate engineering

controls



Section 8. Exposure controls/personal protection

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: chemical splash goggles.	:	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. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.	:	Hand protection
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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.	:	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
Various	:	Colour
Solvent.	:	Odour
Not available.	:	Odour threshold

- : Odour threshold
- : pH
- : Melting point
- : Boiling point
- : Flash point

Closed cup: 35°C (95°F)

Not applicable. Not available.

Not available.

: 30/05/2017





Section 9. Physical and chemical properties

,	
Not available.	: Evaporation rate
Not available.	: Flammability (solid, gas)
Not available.	: Lower and upper explosive (flammable) limits
Not available.	: Vapour pressure
Not available.	: Vapour density
1.43	: Relative density
Insoluble 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): 121 mm ² /s (121 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
Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.	: Conditions to avoid
Reactive or incompatible with the following materials: oxidizing materials	: 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
-	5 g/kg	Rat	LD50 Oral	hexamethylene diacrylate
-	12800 mg/kg	Rabbit	LD50 Dermal	Isopropyl alcohol
-	5000 mg/kg	Rat	LD50 Oral	
-	4300 mg/kg	Rat	LD50 Oral	xylene
-	5000 mg/kg	Rabbit	LD50 Dermal	2-methoxy-1-methylethyl acetate
-	8532 mg/kg	Rat	LD50 Oral	

Irritation/Corrosion

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X.International.

Section 11. Toxicological information

Exposure	Score	Species	Result	Product/ingredient name
24 hours 500 milligrams	-	Rabbit	Skin - Severe irritant	hexamethylene diacrylate
24 hours 100 milligrams	-	Rabbit	Eyes - Moderate irritant	Isopropyl alcohol
10 milligrams	-	Rabbit	Eyes - Moderate irritant	
100 milligrams	-	Rabbit	Eyes - Severe irritant	
500 milligrams	-	Rabbit	Skin - Mild irritant	
	24 hours 500 milligrams 24 hours 100 milligrams 10 milligrams 100 milligrams 500	24 hours 500 milligrams-24 hours 100 milligrams-10 milligrams-100 milligrams-500-	24 hours 500 milligramsRabbit24 hours 100 milligrams-Rabbit10 milligrams 100 milligrams-Rabbit100 milligrams 500-Rabbit	24 hours 500 milligrams-RabbitSkin - Severe irritant24 hours 100 milligrams-RabbitEyes - Moderate irritant10 milligrams 100

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
		Category 3 Category 3	Isopropyl alcohol xylene

Specific target organ toxicity (repeated exposure)

Not available.

watering redness

Aspiration hazard

Result	Name
ASPIRATION HAZARD - Category 1	xylene

Not available.	: Information on likely routes of exposure
Potential acute health effects	
Causes serious eye irritation.	: Eye contact
Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.	: Inhalation
Causes skin irritation. May cause an allergic skin reaction.	: Skin contact
Irritating to mouth, throat and stomach.	: Ingestion
Symptoms related to the physical, chemical and toxicological characteristics	
Adverse symptoms may include the following: pain or irritation	: Eye contact





: Developmental effects

: Fertility effects

Section 11. Toxicological information

Section 11. Toxicological information		
Adverse symptoms may include the following: headache drowsiness/fatigue dizziness/vertigo muscle weakness unconsciousness	:	Inhalation
Adverse symptoms may include the following: irritation redness	:	Skin contact
No specific data.	:	Ingestion
Delayed and immediate effects as well as chronic effects from short and long-t	tern	<u>n exposure</u>
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
No known significant effects or critical hazards.	:	Teratogenicity
	-	· · · · · · · · · · · · · · · · · · ·

No known significant effects or critical hazards. No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

ATE value	Route
129514.7 mg/kg	Oral
27270.1 mg/kg	Dermal
302.2 mg/l	Inhalation (vapours)

Section 12. Ecological information

Toxicity

Exposure	Species	Result	Product/ingredient name
48 hours	Crustaceans - Crangon crangon	Acute LC50 1400000 to 1950000 µg/l Marine water	Isopropyl alcohol
96 hours	Fish - Gambusia affinis	Acute LC50 1400000 µg/l	
48 hours	Crustaceans - Palaemonetes pugio	Acute LC50 8500 µg/l Marine water	xylene
96 hours	Fish - Pimephales promelas	Acute LC50 13400 µg/l Fresh water	
96 hours	Fish	Acute LC50 134 mg/l Fresh water	2-methoxy-1-methylethyl acetate

Section 12. Ecological information

Persistence and degradability

Not available.

Bioaccumulative potential

Potential	BCF	LogPow	Product/ingredient name
low low low low	- - 8.1 to 25.9 -	2.81 0.05 3.12 1.2	hexamethylene diacrylate Isopropyl alcohol xylene 2-methoxy-1-methylethyl acetate

Mobility in soil

Not available.

: Soil/water partition coefficient (Koc)

No known significant effects or critical hazards.

: Other adverse effects

: Disposal methods

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.

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. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

ΙΑΤΑ	IMDG	UN	
UN1263	UN1263	UN1263	UN number
PAINT	PAINT	PAINT	UN proper shipping name
3	3	3	Transport hazard class(es)
Ш			Packing group
No.	No.	No.	Environmental hazards
-	-	-	Additional information

Not applicable.

Date of issue/Date of revision Version : 3 : 30/05/2017



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

regulations specific for

Safety, health and

environmental

the product

:

Section 15. Regulatory information

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

Section 16. Other information

Justification

Justification	Classification
On basis of test data	Flam. Liq. 3, H226
Calculation method	Skin Irrit. 2, H315
Calculation method	Eye Irrit. 2A, H319
Calculation method	Skin Sens. 1, H317

<u>History</u>

30/05/2017	: Date of printing
30/05/2017	: Date of issue/Date of revision
16/06/2016	: Date of previous issue
3	: Version
ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate 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	: Key to abbreviations
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.

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Not available.

Section 16. Other information

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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