Safety Data Sheet

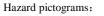
SECTION 1: Identification of the substance	e/mixt	ure and of the company/undertaking
1.1. Product Identifier		
Substance or Mixture name	:	Diluted Alkydresin Paint
EC No.	:	
REACH No.	:	
CAS No.	:	
1.2. Relevant identified uses of the subs	tance of	r mixture and uses advised against
Sector of uses [SU]	:	Industrial uses
Use of the substance/mixture	:	Coatings and paints, fillers, putties, thinners
Uses advised against	:	Do not use for products which come into contact with the food stuffs.
1.3 Details of the Supplier of the Safety	Data S	heet
Supplier	:	iBou Inc.
Address	:	81 Nakao, Nago city, Okinawa pref., Japan
P.O.Box	:	905-1153
Telephone	:	123-4567
Telefax	:	123-5678
E-Mail	:	iboughs@yahoo.co.jp
1.4 Emergency telephone number		
Emergency telephone number	:	234-5678
Remark	:	Only available during office hours.

SECTION 2: Hazards identification

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2.1. Classification of the substance or mixture :
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Flammable liquids:Flam. Liq. 2
Acute toxicity oral:Acute Tox. 3
Acute toxicity Dermal:Acute Tox. 4
Acute toxicity inhalation: Classification not possible
Skin corrosion/irritation:Not classified
Serious eye damage/eye irritation:Eye Irrit. 2
Respiratory sensitization: Classification not possible
Skin sensitization:Not classified
Germ cell mutagenicity:Muta. 1B
Carcinogenicity:Carc. 1B
Reproductive toxicityv:Repr. 1A
Specific target organ toxicity - Single exposure:STOT SE3(Respir.-Irrit.)
Specific target organ toxicity -Repeated exposure:STOT RE 2
Aspiration hazard:Not classified
Hazardous to the aquatic environment-Acute hazard:Not classified
Chronic aquatic hazard:Not classified
Hazardous to the ozone layer: Classification not possible
Reproductive toxicity (Effects on or via lactation):Classification not possible
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2.2. Label elements :









Danger

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Hazard	statements	
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Diluted Alkydresin Paint	P300018510GB-1
H225	·Highly flammable liquid and vapour
H301	·Toxic if swallowed
H312	·Harmful in contact with skin
H319	Causes serious eye irritation
H335,H336	·May cause respiratory irritationMay cause drowsiness or dizziness
H340	May cause genetic defects
H350	·May cause cancer
H360	·May damage fertility or th unborn child
H373	·May cause damage to organs through prolonged or repeated exposure

Precautionary statement :

	[Prevention]
P201	·Obtain special instructions before use
P202	·Do not handle until all safety precautions have been read and understood
P210	·Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	·Keep container tightly closed.
P240	·Ground/bond container and receiving equipment.
P241	·Use explosion-proof electrical/ventilating/lighting//equipment.
P242	·Use only non-sparking tools.
P243	·Take precautionary measures against static discharge.
P260	·Do not breathe dust/fume/gas/mist/vapours/spray.
P261	· Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	·Wash thoroughly after handling.
P270	·Do not eat, drink or smoke when using this product.
P271	\cdot Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
	[Response]
P301+P310	·IF SWLLOWED: Immediately call a POISON CENTER /doctor/
P302+P352	· IF ON SKIN: Wash with plenty of water/
	· IF ON SKIN(or hair): Take off immedately all contaminated clothing. Rinse skin with water/shoewer.
15051150111555	· IF INHALED: Remove person to fresh air and keep comfortable for breathing
P304+P340	• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do
P305+P351+P338	
10001100111000	· IF exposed or concerned: Get medical advice/attention.
	·Call a POISON CENTER/doctor// if you feel unwell.
P308+P313	·Get medical advice/attention if you feel unwell.
P312	·Specific treatment (seeon this label)
P314	·Rinse mouth.
P321	· If eye irritation persists, Get medical advice/attention.
P330	• Take off contaminated clothing and wash it before reuse.
P337+P313	· In case of fire: Use to extinguish.
P362+P364	
D270 - D270	
	[Disposal]
P501	·Dispose of contents/container to
	[Storage]
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	• Store in a well-ventilated place. Keep cool.
P405	•Store locked up.
1 105	Store rooked up.

Supplemental Hazard information (EU) : EUH066 EUH201

75.92% of the mixture consists of components of unknown toxicity-oral 70.56% of the mixture consists of components of unknown toxicity-dermal 76.00% of the mixture consists of components of unknown toxicity-inhalation

SECTION 3: C	Composition /	information	on ingredients
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: Mixtures

Substance	REACH Reg. No.	% (weight)	Type of No	No.	Hazard class, category, H code
propyl acetate	Not available	0~5%	CAS	109-60-4	Eye Irrit. 2A,Flam. Liq. 2,STOT Single 3 H225, H335

d Alkydresin Paint	P300018510GB-1				2018/5/10		
ethyl acetate	Not available	0~5%	CAS	141-78-6	Eye Irrit. 2A,Flam. Liq. 2,STOT Si 3 H225, H336		
pentyl acetate	Not available	0~5%	CAS	628-63-7	Flam. Liq. 3 H226		
ethylbenzene	123-57	0~5%	CAS	100-41-4	Acute Tox. 4, Asp. Tox. 1, Flam. Li 2, STOT Rep. 2 H332, H304, H2 H373		
mineral spirit	Not available	0~5%	CAS	8052-41-3	Asp. Tox. 1,Carc. 1B,Muta. 1B,ST Rep. 1 H304, H350, H340, H372		
toluene	Not available	5~10%	CAS	108-88-3	Asp. Tox. 1,Flam. Liq. 2,Repr. 2,STOT Rep. 2,STOT H304, H2 H361d, H373, H336		
formaldehyde	Not available	0~5%	CAS	50-00-0	Acute Tox. 3,Carc. 1B,Muta. 2,Skin Corr. 1B,Skin S H301, H350, H34 H314, H317		
melamine	Not available	15~20%	CAS	108-78-1			
alkyd resin	Not available	$0 \sim 5\%$	CAS	63148-69-6			
2-Butanone	Not available	0~5%	CAS	78-93-3	Eye Irrit. 2A,Flam. Liq. 2,STOT S 3 H225, H336		
xylene	Not available	0~5%	CAS	1330-20-7	Acute Tox. 4,Flam. Liq. 3,Skin Irri H312, H226, H315		
titanium dioxide	Not available	$0 \sim 5\%$	CAS	13463-67-7			
lead sulphate	Not available	$0\sim 5\%$	CAS	7446-14-2			
n-butyl acetate	Not available	0~5%	CAS	123-86-4	Flam. Liq. 3,STOT Single 3 H22 H336		
2-methylpropan-1-ol	Not available	0~5%	CAS	78-83-1	Eye Dam. 1,Flam. Liq. 3,Skin Irrit. 2,STOT Single H318, H226, H3 H335		
propan-2-ol	Not available	45~50%	CAS	67-63-0	Eye Irrit. 2A,Flam. Liq. 2,STOT Si 3 H225, H336		
lead chromate	Not available	5~10%	CAS	7758-97-6	Aquatic Acute 1,Aquatic Chronic 1,Carc. 1B,Repr. 1 H400, H410, H350, H360Df, H373		

Additional information :

Full text of H-statements to be referred in SDS Section 16

SECTION 4: First aid measures

4.1. Description of first aid measures General information :

When in doubt or if symptoms are observed, get medical advice.

Following inhalation :

In case of respiratory tract irritation, consult a physician.

Following skin contact

Wash immediately with : Water and soap

In the case of contact with hot melt, treat skin with :

Water Do not wash with : Acidic cleaning agent

After eye contact :

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion :

Induce vomiting when the affected person is not unconscious.

If swallowed immediately drink :

Water

Self-protection of the first aider : Not applicable

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

Symptoms

The following symptoms may occur :

Dizziness Nausea

Effects : Drowsiness

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

Notes for the doctor :

Treat symptomatically.

Special treatment :

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media :

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alcohol resistant foam ABC-powder Carbon dioxide (CO2) Sand Dry sand

Unsuitable extinguishing media :

Full water jet 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products :

Carbon dioxide (CO2) Carbon monoxide. Toxic pyrolysis products

5.3. Advice for firefighters

Special protective equipment for firefighters:

Use suitable breathing apparatus. Protective clothing. Rubber boots rubber gloves.

5.4. Additional information:

Use water spray jet to protect personnel and to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions :

Use personal protection equipment.

Protective equipment :

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Emergency procedures :

Provide adequate ventilation. Remove persons to safety.

6.2. Environmental precautions :

Do not allow to enter into surface water or drains.

6.3. Methods and materials for containment and cleaning up

For containment Suitable material for taking up:

Sand Kieselguhr Earth Sawdust

For cleaning up

Suitable material for diluting or neutralising : White spirit

6.4. Reference to other sections :

Safe handling: see section 7 Disposal: see section 13 Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precaution	ns for safe	handling
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Advice on safe handling

Protective measure

Avoid :	Inhalation of vapours or spray/mists Eye contact
Handle under (gas) :	Not applicable
Handle under (liquid) :	Not applicable
Keep away from :	Oxidising agent
Remark :	Take precautionary measures against static discharges.
Measures to prevent aerosol and	d dust generation
During filling, metering ar	nd sampling should be used if possible :
	Devices with local exhaust
Use the following local ex	shaust ventilation type :
	Receptor hood for fumes/vapours
Environmental precaution :	
	Shafts and sewers must be protected from entry of the product.
Special requirements or handling	g rules :
	Floors, walls and other surfaces in the hazard area must be cleaned regularly.
Advice on general occupational hy	/giene :
Wash hands b	before breaks and after work. Avoid contact with skin, eyes and clothes.
7.2. Conditions for safe storage, includ	ling any incompatibilities
Packaging materials	
Suitable container/equipment ma	terial: Polyethylene (PE)
Unsuitable container/equipment	material : Glass
Hints on joint storage	
• 8	

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Storage class :

Combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects (liquid)

Materials to avoid : Oxidising agent

Further information on storage conditions : Keep only in the original container in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

Ingredient	CAS NO.	EC No	Country	Limit valu - 8 hours		Limit valu	ie-Short term
				ppm	mg/m3	ppm	mg/m3
lead chromate	7758-97-6	231-846-0	GB		0.05		
toluene	108-88-3	203-625-9	GB	50	191	100	384
xylene	1330-20-7	215-535-7	GB	50	220	100	441
ethylbenzene	100-41-4	202-849-4	GB	100	441	125	552
propan-2-ol	67-63-0	200-661-7	GB	400	999	500	1250
ethyl acetate	141-78-6	205-500-4	GB	200	730	400	1460
propyl acetate	109-60-4	203-686-1	GB	200	849	250	1060
n-butyl acetate	123-86-4	204-658-1	GB	150	724	200	966
2-Butanone	78-93-3	201-159-0	GB	200	600	300	899
formaldehyde	50-00-0	200-001-8	GB	2	2.5	2	2.5
2-methylpropan-1-ol	78-83-1	201-148-0	GB	50	154	75	231
titanium dioxide	13463-67-7	236-675-5	GB		4		

Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit valu	Parameter
lead chromate	7758-97-6	231-846-0	GB	µmol/mol	10	chromium (VI) compounds
xylene	1330-20-7	215-535-7	GB	mmol/mol	650	methyl hippuric acid

8.2. Exposure controls

Appropriate engineering controls

Initial Remarks : See section 7. Additional information on plant design:

Substance/mixture related mesures to privent exposure during identified users :

No data available

Technical mesures to provent exposure :

Reduce exposure to fume by keeping operating temperatures as low as possible taking into account occupational exposure limits and safe handling temperatures (see Section 7). Where practicable handle within an enclosed process. Alternatively local exhaust ventilation should be considered.

Personal protection equipment Eye/face protection	
	Eye glasses with side protection
	No data available
Skin protection	
Hand protection	
Suitable gloves type :	Half-gloves
Suitable material :	NBR (Nitrile rubber)
Required properties :	liquid-tight
Remark :	For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Body protection	
Suitable protective clothing :	Boots Protective apron
Required properties :	flame-resistant
Recommended material :	heat-resistant synthetic fibres
Respiratory protection	
Respiratory protection necessary	at :
insufficient v	entilation high concentrations
According to experience this refe	rs to the following tasks :
Filling and tra	ansfer
Suitable respiratory protection ap	paratus :
ABEK-P2	
Remarks :	
Usually no pe Environmental exposure controls Technical measures to prevent e	

Use the following filter types for cleaning waste gases : Fabric filter Use the following recovery and/or abatement technique for cleaning waste gases : Adsorption Use the follwoing chemical treatment methods for waste water : Sludge treatment e.g. thermal sludge reduction

SECTION 9: Physical and chemical properties

Physical state	liquid
Color	opaque
Odour	pungent
PH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	82.00°C∼110.60°C
Flash point	19.5℃
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive	No data available
limits	
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Solubility(ies)	Insoluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	200°C
Decomposition temperature	No data available
Viscosity	$20.5000 \text{m}^2/\text{s}$
Explosive properties	No data available
Oxidising properties	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity :	
Thermally unstable.	
10.2. Chemical stability :	
The product is chemically stable under recommended conditions of storage, use and temperature	re.
10.3. Possibility of hazardius reactions	
In case of melting :	
Danger of bursting container.	
In case of vaporization :	
Danger of bursting container.	
In case of freezing :	
No data available	
10.4. Condition to avoid	
In dry state :	
No data available	
In an isolated state :	
No data available	
In fine dispersion/spraying/misting :	
Danger of bursting container.	
In case of warming :	
Danger of bursting container.	
In case of light influence :	
No data available	
In case of impact or pressure influence :	
Danger of bursting container.	
In case of air intake :	
No data available	
In case of exceeding the storage time :	
No data available	
In case of exceeding the storage temperature :	

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Danger of bursting container.

10.5. Incompatible materials Materials to avoid

Oxidising agent Oxidising agent, strong

10.6. Hazardous decomposition products:

Thermal decomposition can lead to the escape of irritating gases and vapours.

10.7. Additional information

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects Acute toxicity oral formaldehyde(Acute Tox. 3) Acute toxicity Dermal xylene(Acute Tox. 4) /ethylbenzene(Acute Tox. 4) Skin corrosion/irritation formaldehyde(Skin Corr. 1B) /2-methylpropan-1-ol(Skin Corr. 2) /xylene(Skin Corr. 2) Serious eye damage/eye irritation propan-2-ol(Eye Irrit. 2) /ethyl acetate(Eye Irrit. 2) /propyl acetate(Eye Irrit. 2) /2-Butanone(Eye Irrit. 2) /2-methylpropan-1-ol(Eye Irrit. 1) Skin sensitization formaldehyde(Skin. Sens. 1) Germ cell mutagenicity formaldehyde(Muta. 2) /mineral spirit(Muta. 1B) Carcinogenicity formaldehyde(Carc. 1B) /lead chromate(Carc. 1B) /mineral spirit(Carc. 1B) Reproductive toxicityv toluene(Repr. 2) /lead chromate(Repr. 1A) Specific target organ toxicity - Single exposure toluene(STOT SE3(Respir.-Irrit.)) /propan-2-ol(STOT SE3(Respir.-Irrit.)) /ethyl acetate(STOT SE3(Respir.-Irrit.)) /propyl acetate(STOT SE3(Respir.-Irrit.)) /n-butyl acetate(STOT SE3(Respir.-Irrit.)) /2-Butanone(STOT SE3(Respir.-Irrit.)) /2-methylpropan-1-ol(STOT SE3(Respir.-Irrit.)) Specific target organ toxicity -Repeated exposure toluene(STOT RE 2) /lead chromate(STOT RE 2) /mineral spirit(STOT RE 1) /ethylbenzene(STOT RE 2) Aspiration hazard toluene(Asp. Tox. 1) /mineral spirit(Asp. Tox. 1) /ethylbenzene(Asp. Tox. 1)

11.2. Symptoms related to the physical, chemical and toxicological characteristics

In case of ingestion :

No data available

In case of skin contact :

Has degreasing effect on the skin.

In case of inhalation :

Inhalation causes narcotic effects/intoxication.

11.3. Additional information :

Protective clothing. Rubber boots rubber gloves.

SECTION 12: Ecological information

Hazardous to the aquatic environment-Acute hazard : lead chromate(Aquatic Acute 1) Hazardous to the aquatic environment-Chronic hazard: lead chromate(Aquatic Chronic 1) Hazardous to the ozone layer :

Additional ecotoxicological information:

There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/packaging disposal

Properties of waste which render it hazardous : Flammable Waste treatment option Appropriate disposal/Product :

Dispose of waste according to applicable legislation.

Appropriate disposal/Package :

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

Remarks :

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

14.1 UN number		
Land transport(ADR/RID)	1263	
Inland waterway transport(ADN)	1263	
Sea transportation(IMDG)	1263	
Air transportationICAO-TI/IATA-DGR	1263	
14.2. UN proper shipping name		
Land transport(ADR/RID)	Paint or Paint relate	d material
Inland waterway transport(ADN)	Paint or Paint relate	d material
Sea transportation(IMDG)	Paint or Paint relate	d material
Air transportationICAO-TI/IATA-DGR	Paint or Paint relate	d material
14.3. Transport hazard class(es)		
Land transport(ADR/RID)	3	
Inland waterway transport(ADN)	3	
Sea transportation(IMDG)	3	
Air transportationICAO-TI/IATA-DGR	3	
14.4. Packing group		
Land transport(ADR/RID)	II	
Inland waterway transport(ADN)	II	
Sea transportation(IMDG)	II	
Air transportationICAO-TI/IATA-DGR	II	
14.5. Environmental hazards		
Land transport(ADR/RID)	Not applicable	
Inland waterway transport(ADN)	Not applicable	
Sea transportation(IMDG)	Not applicable	
Air transportationICAO-TI/IATA-DGR	Not applicable	
14.6. Transport in bulk according to MARPOL73	14.6. Transport in bulk according to MARPOL73/78 and the IBC Code Not applicable	
14.7. Marine pollutant :		Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulation

Authrisations and/or restriction			
Authorisations	Lead chromate,CAS 7758-97-6;		
Authorisations .	by REACH TITLE VII		
	ethylbenzene,;		
	Toluene,;		
	propyl acetate,;		
	n-butyl acetate,;		
	xylene,;		
	ethyl acetate,;		
	formaldehyde,;		
Restrictions on use :			
propan-2-ol,;			
Lead sulphates: (a) PbSO4,;			
lead chromate,;			
	2-methylpropan-1-ol,;		
	2-Butanone,;		
	mineral spirit,;		
	Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for		
Restriction of occupation :	expectant or nursing mothers.		
Other regulations (EU)			
0	limitation of emissions of volatile organic compounds		
	ict category : Paints and varnishes		
-	the product : Interior/exterior trim and cladding paints for wood, metal or plastic		
VOC content(g/L), ready to us			
VOC content(g/L), to us			
VOC-V	alue(in g/L):		

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Method: ISO 11890-2

Remak : This chemical is a VOC according to 2004/42/EC.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Classification according to Annex I, Part I : P5b orP5c FLAMMABLE LIQUIDS

Entry in Annex I, Part 2

Number : CAS No 50-00-0;

Named dangerous substances : Formaldehyde (concentration ≥ 90 %)

Remark : P5a.

Lead chromate, CAS No 7758-97-6 ;

Candidate of SVHC

15.2. Chemical Safety Assessment :

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant H-phrases in Section 3 and EUH-phrases in Section 2 (Number and full text) :

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH201 Contains lead. Should not be used on surfaces liable to be chewed or sucked by children.

H225 Highly flammable liquid and vapour

H226 Flammable liquid and vapour

H301 Toxic if swallowed

H304 May be fatal if swallowed and enters airways

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H332 Harmful if inhaled

H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness

H340 May cause genetic defects

H341 Suspected of causing genetic defects

H350 May cause cancer

H360Df May damage the unborn child. Suspected of damaging fertility.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure

H373 May cause damage to organs through prolonged or repeated exposure

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

Data sources:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.