

MATERIAL SAFETY DATA SHEET

PRODUCT
ACCEPTA 2053

EMERGENCY TELEPHONE NUMBER(S)

See section 16, for Emergency Telephone Numbers.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : **ACCEPTA 2053**

APPLICATION : ANTIFOAM

COMPANY IDENTIFICATION : ACCEPTA LTD
Statham House, Talbot Road.
Manchester M32 0FP. United Kingdom.

EMERGENCY TELEPHONE NUMBER(S) : See section 16, for Emergency Telephone Numbers.

Date issued : 20/11/2008

COMPANY CONTACT TELEPHONE NUMBERS. +44 (0) 161 877 2334

2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION :

This product is classified as dangerous in accordance with the Preparations Directive 1999/45/EC.

May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HUMAN HEALTH HAZARDS - ACUTE :

INHALATION :
May cause irritation of mucous membranes.

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SKIN CONTACT :

May cause irritation with prolonged contact. May cause sensitization by skin contact.

EYE CONTACT :

May cause irritation with prolonged contact.

INGESTION :

May cause mucosal damage.

HUMAN HEALTH HAZARDS - CHRONIC :

No adverse effects expected other than those mentioned above.

ENVIRONMENTAL HAZARDS :

Keep out of waterways. This product may pose a risk to the aquatic ecosystem if released.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is classified as dangerous in accordance with the Preparations Directive 1999/45/EC.

Hazardous Substance(s)	EINECS / ELINCS NO	CAS NO	SYMBOL	R-PHRASES / NOTAS	% (w/w)
A mixture of: 5-chloro-2-methyl-2H- isothiazol-3-one and 2-methyl-2H- isothiazol-3-one (3:1)	247-500-7, 220- 239-6	55965-84-9	T, N	R23/24/25, R34, R43, R50/53	0.0015 - < 0.06
Dodecene, Hydroformylation Products, High Boiling	271-239-8	68526-91-0	N	R51/53	30 - 60

Refer to Section 16 for descriptions of relevant risk phrases and Notas.

4. FIRST AID MEASURES

INHALATION :

Remove to fresh air, treat symptomatically. If symptoms develop, seek medical advice.

SKIN CONTACT :

Flush affected area with water. If symptoms develop, seek medical advice. Contaminated leather articles such as shoes or belts must be discarded.

EYE CONTACT :

Flush affected area with water. Get medical attention.

INGESTION :

Get medical attention. Do not induce vomiting without medical advice. If conscious, washout mouth and give water to drink. If reflexive vomiting occurs, rinse mouth and repeat administration of water.

NOTE TO PHYSICIAN :

Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

5. FIRE FIGHTING MEASURES

FLASH POINT :

Not flammable

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EXTINGUISHING MEDIA :

This product would not be expected to burn unless all the water is boiled away. The remaining organics may be ignitable. Use extinguishing media appropriate for surrounding fire.

FIRE AND EXPLOSION HAZARD :

May evolve oxides of carbon (COx) under fire conditions. Not flammable or combustible.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING :

In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS :

Restrict access to area as appropriate until clean-up operations are complete. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Stop or reduce any leaks if it is safe to do so. Ventilate spill area if possible. Ensure clean-up is conducted by trained personnel only. Do not touch spilled material. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Notify appropriate government, occupational health and safety and environmental authorities.

METHODS FOR CLEANING UP :

SMALL SPILLS: Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area. **LARGE SPILLS:** Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Clean contaminated surfaces with water or aqueous cleaning agents. Contact an approved waste hauler for disposal of contaminated recovered material. Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations).

ENVIRONMENTAL PRECAUTIONS :

Prevent material from entering sewers or waterways. This product may pose a risk to the aquatic ecosystem if released. If drains, streams, soil or sewers become contaminated, notify local authority.

7. HANDLING AND STORAGE

HANDLING :

Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Do not breathe vapors/gases/dust. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Ensure all containers are labeled. Discard contaminated shoes, belts and other articles made of leather.

STORAGE CONDITIONS :

Protect product from freezing. Store in suitable labeled containers. Store the containers tightly closed.

SUITABLE CONSTRUCTION MATERIAL :

Stainless Steel 304, Mild steel, HDPE (high density polyethylene), Compatibility with Plastic Materials can vary; we therefore recommend that compatibility is tested prior to use.

SPECIFIC USE(S) :

ANTIFOAM

For specific dosages and customized applications please contact your representative.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

Exposure guidelines have not been established for this product. Available exposure limits for the substance(s) are shown below.

Country/Source	Substance(s)	Category:	ppm	mg/m3
Manufacturer's Recommendation	2-Methyl-4-Isothiazolin-3-one	TWA		1.5
		STEL		4.5
Manufacturer's Recommendation	5-Chloro-2-Methyl-4-Isothiazolin-3-one	TWA		0.076
		STEL		0.23
__AUSTRIA	2-Methyl-4-Isothiazolin-3-one	MAK Skin*		0.05
		5-Chloro-2-Methyl-4-Isothiazolin-3-one	MAK Skin*	0.05
GERMANY	2-Methyl-4-Isothiazolin-3-one	MAK Skin*		0.05
		5-Chloro-2-Methyl-4-Isothiazolin-3-one	MAK Skin*	0.05
NETHERLANDS	2-Methyl-4-Isothiazolin-3-one	MAC		0.2
	5-Chloro-2-Methyl-4-Isothiazolin-3-one	MAC		0.2
	A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	MAC		0.2
SWITZERLAND	2-Methyl-4-Isothiazolin-3-one (Inhalable dust)	TWA		0.2
		STEL		0.4
	5-Chloro-2-Methyl-4-Isothiazolin-3-one (Inhalable dust)	TWA		0.2
		STEL		0.4
SLOVENIA	2-Methyl-4-Isothiazolin-3-one	TWA Skin*		0.05
		5-Chloro-2-Methyl-4-Isothiazolin-3-one	TWA Skin*	0.05

* A skin notation refers to the potential significant contribution to overall exposure by the cutaneous route, including mucous membranes and the eyes.

MONITORING MEASURES :

A small volume of air is drawn through an absorbant or barrier to trap the substance(s) which can then be desorbed or removed and analyzed as referenced below:

Substance(s)	Method	Analysis	Absorbant
2-Methyl-4-Isothiazolin-3-one	No method identified		
5-Chloro-2-Methyl-4-Isothiazolin-3-one	No method identified		

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ENGINEERING MEASURES :

The use of local exhaust ventilation is recommended to control emissions near the source. Laboratory samples should be handled in a fumehood. Provide mechanical ventilation of confined spaces.

PERSONAL PROTECTION

GENERAL ADVICE :

The use and choice of personal protection equipment is related to the hazard of the product, the workplace and the way the product is handled. In general, we recommend as a minimum precaution that safety glasses with side-shields and workclothes protecting arms, legs and body be used. In addition any person visiting an area where this product is handled should at least wear safety glasses with side-shields. The applicable European standard can be found in EN 166.

RESPIRATORY PROTECTION :

If significant mists, vapors or aerosols are generated an approved respirator is recommended. A suitable filter material depends on the amount and type of chemicals being handled. Consider the use of filter type: A-P The applicable European standard can be found in EN 140, EN 137, EN 143 and EN 14387. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

HAND PROTECTION :

When handling this product, the use of chemical gauntlets is recommended. The choice of work glove depends on work conditions and what chemicals are handled, but we have positive experience under light handling conditions using gloves made from PVC. Gloves should be replaced immediately if signs of degradation are observed. Breakthrough time not determined as preparation, consult PPE manufacturers. The applicable European standard can be found in EN 374.

SKIN PROTECTION :

When handling this product, the use of a chemical resistant suit and rubber boots is recommended. The applicable European standard can be found in EN ISO 20345.

EYE PROTECTION :

When handling this product, the use of splash chemical goggles is recommended. The applicable European standard can be found in EN 166.

HYGIENE RECOMMENDATIONS :

Use good work and personal hygiene practices to avoid exposure. Keep an eye wash fountain available. Keep a safety shower available. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse. Always wash thoroughly after handling chemicals. When handling this product never eat, drink or smoke.

ENVIRONMENTAL EXPOSURE CONTROL PRECAUTIONS :

Consider the provision of containment around storage vessels.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPEARANCE	White
ODOR	None

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FLASH POINT :	Not flammable
SPECIFIC GRAVITY	0.94
SOLUBILITY IN WATER	Emulsifiable
pH (100 %)	7.7
VISCOSITY	1,100 cps (20 °C)
FREEZING POINT	0 °C
BOILING POINT	100 °C
VAPOR PRESSURE	Same as water

Note: These physical properties are typical values for this product and are subject to change.

10. STABILITY AND REACTIVITY

STABILITY :

Stable under normal conditions.

HAZARDOUS POLYMERIZATION :

Hazardous polymerization will not occur.

CONDITIONS TO AVOID :

Heat and sources of ignition including static discharges. Avoid extremes of temperature.

MATERIALS TO AVOID :

Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors.

HAZARDOUS DECOMPOSITION PRODUCTS :

Under fire conditions: Oxides of carbon

11. TOXICOLOGICAL INFORMATION

No toxicity studies have been conducted on this product. The following results are for the hazardous components.

ACUTE ORAL TOXICITY :

Species	LD50	Test Descriptor
Rat	> 5,000 mg/kg	Dodecene, Hydroformylation Products, High Boiling

PRIMARY SKIN IRRITATION : Not irritating

PRIMARY EYE IRRITATION : Not irritating

SENSITIZATION :

Repeated or prolonged contact may cause skin sensitization.

CARCINOGENICITY :

None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).

For additional information on the hazard of the preparation, please consult section 2 and 12.

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12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL EFFECTS :

The following results are for the product.

ACUTE INVERTEBRATE RESULTS :

Species	Exposure	LC50	EC50	Method	Test Descriptor
Daphnia magna	48 hrs		1.2 mg/l		Hazardous component (Dodecene, Hydroformylation Products, High Boiling)

PERSISTENCY AND DEGRADATION :

Biological Oxygen Demand (BOD) : We expect that the product is not readily biodegradable.

BIOACCUMULATION POTENTIAL

Component substances have a potential to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

If this preparation becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code. Use only authorized contractors. Ensure compliance with EC, national and local regulations.

Dispose of wastes in an approved incinerator or waste treatment/disposal site, in accordance with all applicable regulations. Do not dispose of wastes in local sewer or with normal garbage. This product is ashless and can be burned directly in appropriate equipment. Any chemical waste is a potential environmental pollutant and is NOT suitable for disposal via ground, municipal sewers, drains, natural streams or rivers.

Empty drums should be taken for recycling, recovery, or disposal through a suitably qualified or licensed contractor.

EUROPE WASTE CODE :

16 03 05*- OFF SPECIFICATION BATCHES AND UNUSED PRODUCTS - Organic wastes containing dangerous substances. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code.

NATIONAL REGULATIONS AUSTRIA :

Waste Code :52725

14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper Shipping Name / Hazard Class may vary by packaging, properties, and mode of transportation. Typical Proper Shipping Names for this product are as follows.

LAND TRANSPORT

Proper Shipping Name :

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.

Technical Name(s) :

Dodecene, Hydroformylation Products, High Boiling

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UN/ID No : UN 3082
Hazard Class - Primary : 9
Packing Group : III
ADR/RID H.I.n. :
CLASSIFICATION CODE :

AIR TRANSPORT (ICAO/IATA)

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical Name(s) : Dodecene, Hydroformylation Products, High Boiling
UN/ID No : UN 3082
Hazard Class - Primary : III
Packing Group :
IATA Cargo Packing Instructions :
IATA Cargo Aircraft Limit : (Max net quantity per package)
IATA Passenger Packing Instructions :
IATA Passenger Aircraft Limit :

MARINE TRANSPORT (IMDG/IMO)

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical Name(s) : Dodecene, Hydroformylation Products, High Boiling
UN/ID No : UN 3082
Hazard Class - Primary : 9
Packing Group : III

OTHER APPLICABLE INFORMATION

CEFIC TREMCARD REFERENCE : 90GM6-III

15. REGULATORY INFORMATION

CLASSIFICATION AND LABELLING :

GOVERNING DIRECTIVE(S): Dangerous Substances Directive 67/548/EEC and Dangerous Preparations Directive 1999/45/EC.

HAZARD SYMBOLS



IRRITANT



DANGEROUS FOR THE ENVIRONMENT

Contains:..A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

RISK PHRASES

R43 - May cause sensitization by skin contact.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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SAFETY PHRASES

S24/25 - Avoid contact with skin and eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 - After contact with skin, wash immediately with plenty of water.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S61 - Avoid release to the environment. Refer to special instructions/Safety Data sheets.

NATIONAL REGULATIONS GERMANY

WGK 2 (Annex 4)

NATIONAL REGULATIONS HOLLAND

ABM RESULT

ABM RESULT	Substance(s)	% (w/w)
6 A		
	Dodecene, Hydroformylation Products, High Boiling	30 -60

INTERNATIONAL CHEMICAL CONTROL LAWS

EUROPE

The substances in this preparation have been reviewed for compliance with the EINECS or ELINCS inventories.

Accepta is committed to and fully supports the Registration, Evaluation, Authorization and restriction of CHemicals (REACH) regulation. It is our intention to pre-register all chemical substances that we manufacture or import into European Union and to work with our suppliers to ensure a smooth transition to this new regulatory environment. Should you require any further information on Accepta's REACH programme please contact us at reach@accepta.com or visit our website.

UNITED STATES

This product has not been evaluated for TSCA and may contain substances not found on the TSCA 8(b) Inventory List. This product may be used under the TSCA 5(h)(3) Research Exemption if all requirements are met.

16. OTHER INFORMATION

LIST OF RELEVANT R-PHRASES AND NOTAS IN SECTION 3

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.

R34 - Causes burns.

R43 - May cause sensitization by skin contact.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- REVISED INFORMATION: section(s):

- 2

This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the

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recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to insure safe workplace operations. Please consult your local sales representative for any further information.

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