

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**HUNTSMAN**

Enriching lives through innovation

## HARDENER 2053 B

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: 07.09.2021  |
| 1.1     | 15.09.2022     | 400000012099 | Date of first issue: 07.09.2021 |

Print Date 16.01.2024

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : HARDENER 2053 B

Unique Formula Identifier (UFI) : J7T4-T051-W00E-GTNF

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Hardener

#### 1.3 Details of the supplier of the safety data sheet

Company : Huntsman Advanced Materials (Europe)BVBA

Address : Everslaan 45  
3078 Everberg  
Belgium

Telephone : +41 61 299 20 41

Telefax : +41 61 299 20 40

E-mail address of person responsible for the SDS : Global\_Product\_EHS\_AdMat@huntsman.com

#### 1.4 Emergency telephone number

Emergency telephone number : Centres Antipoison et de Toxicovigilance:

ANGERS: 02 41 48 21 21

BORDEAUX: 05 56 96 40 80

LILLE: 0 825 812 822

LYON: 04 72 11 69 11

MARSEILLE 04 91 75 25 25

NANCY: 03 83 32 36 36

PARIS: 01 40 05 48 48

RENNES: 02 99 59 22 22

STRASBOURG: 03 88 37 37 37

TOULOUSE: 05 61 77 74 47

EUROPE: +32 35 75 1234

France ORFILA: +33(0)145425959

ASIA: +65 6336-6011

China: +86 20 39377888  
+86 532 83889090

India: + 91 22 42 87 5333

Australia: 1800 786 152

New Zealand: 0800 767 437

USA: +1 800-424-9300

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

|                                                |                                                             |
|------------------------------------------------|-------------------------------------------------------------|
| Eye irritation, Category 2                     | H319: Causes serious eye irritation.                        |
| Skin sensitisation, Category 1                 | H317: May cause an allergic skin reaction.                  |
| Short-term (acute) aquatic hazard, Category 1  | H400: Very toxic to aquatic life.                           |
| Long-term (chronic) aquatic hazard, Category 1 | H410: Very toxic to aquatic life with long lasting effects. |

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements :  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements :  
**Prevention:**  
P261 Avoid breathing dust.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P391 Collect spillage.

##### Hazardous components which must be listed on the label:

dibenzoyl peroxide

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

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Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous components

| Chemical name      | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number    | Classification                                                                                                                                                                                                       | Concentration<br>(% w/w) |
|--------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| dibenzoyl peroxide | 94-36-0<br>202-327-6<br>617-008-00-0<br>01-2119511472-50 | Org. Perox. B; H241<br>Eye Irrit. 2; H319<br>Skin Sens. 1; H317<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1;<br>H410<br><br>M-Factor (Acute<br>aquatic toxicity): 10<br>M-Factor (Chronic<br>aquatic toxicity): 10 | >= 10 -<br>< 20          |

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Treat symptomatically.  
Get medical attention if symptoms occur.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing  
If potential for exposure exists refer to Section 8 for specific personal protective equipment.  
Avoid inhalation, ingestion and contact with skin and eyes.  
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.
- If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.

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Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

None known.

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

Treatment : Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : Exercise caution when using a high volume water jet as it may scatter and spread fire

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Metal oxides

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.  
Refer to protective measures listed in sections 7 and 8.

#### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal considerations see section 13., See Section 1 for emergency contact information., For personal protection see section 8.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons.  
Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.  
Avoid formation of respirable particles.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in properly labelled containers.

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Advice on common storage : For incompatible materials please refer to Section 10 of this SDS.

Recommended storage temperature : 2 - 18 °C

Further information on storage stability : Stable under normal conditions.

### 7.3 Specific end use(s)

Specific use(s) : No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components          | CAS-No.                    | Value type (Form of exposure) | Control parameters          | Basis  |
|---------------------|----------------------------|-------------------------------|-----------------------------|--------|
| dibenzoyl peroxide  | 94-36-0                    | VME                           | 5 mg/m <sup>3</sup>         | FR VLE |
| Further information | Indicative exposure limits |                               |                             |        |
| triiron tetraoxide  | 1317-61-9                  | VME                           | 10 mg/m <sup>3</sup> (Iron) | FR VLE |
| Further information | Indicative exposure limits |                               |                             |        |

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name                            | End Use   | Exposure routes | Potential health effects   | Value                 |
|-------------------------------------------|-----------|-----------------|----------------------------|-----------------------|
| Benzoic acid, C9-11-branched alkyl esters | Workers   | Inhalation      | Long-term systemic effects | 181 mg/m <sup>3</sup> |
|                                           | Workers   | Dermal          | Long-term systemic effects | 206 mg/kg bw/day      |
|                                           | Consumers | Inhalation      | Long-term systemic effects | 53 mg/m <sup>3</sup>  |
|                                           | Consumers | Dermal          | Long-term systemic effects | 29 mg/kg bw/day       |
|                                           | Consumers | Oral            | Long-term systemic effects | 15,48 mg/kg bw/day    |

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name                            | Environmental Compartment  | Value                         |
|-------------------------------------------|----------------------------|-------------------------------|
| Benzoic acid, C9-11-branched alkyl esters | Fresh water sediment       | 0,065 mg/kg dry weight (d.w.) |
|                                           | Remarks:Assessment Factors |                               |
|                                           | Oral                       | 6667 mg/kg                    |
|                                           | Remarks:Assessment Factors |                               |

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Eye wash bottle with pure water

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Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Hand protection  
Remarks

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection

: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection

: No personal respiratory protective equipment normally required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                  |                                               |
|--------------------------------------------------|-----------------------------------------------|
| Physical state                                   | : paste                                       |
| Colour                                           | : black                                       |
| Odour                                            | : none                                        |
| Odour Threshold                                  | : No data is available on the product itself. |
| pH                                               | : No data is available on the product itself. |
| Melting point/freezing point                     | : No data is available on the product itself. |
| Boiling point                                    | : No data is available on the product itself. |
| Flash point                                      | : No data is available on the product itself. |
| Flammability (solid, gas)                        | : No data is available on the product itself. |
| Upper explosion limit / Upper flammability limit | : No data is available on the product itself. |
| Lower explosion limit / Lower flammability limit | : No data is available on the product itself. |
| Vapour pressure                                  | : No data is available on the product itself. |
| Relative vapour density                          | : No data is available on the product itself. |
| Relative density                                 | : No data is available on the product itself. |
| Density                                          | : 1,332 g/cm <sup>3</sup>                     |
| Solubility(ies)<br>Water solubility              | : insoluble                                   |

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Solubility in other solvents : No data is available on the product itself.

Partition coefficient: n-octanol/water : No data is available on the product itself.

Auto-ignition temperature : No data is available on the product itself.

Decomposition temperature : Decomposition energy (mass): 236 KJ/kg

Viscosity  
Viscosity, dynamic : 58 000 mPa.s (25 °C)

### 9.2 Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Dust may form explosive mixture in air.

### 10.4 Conditions to avoid

Conditions to avoid : None known.

### 10.5 Incompatible materials

Materials to avoid : None known.

### 10.6 Hazardous decomposition products

Hazardous decomposition products : aluminium oxide

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

#### Components:

#### dibenzoyl peroxide:

Acute oral toxicity : LD50 (Mouse, male and female): > 2 000 mg/kg  
Method: OECD Test Guideline 401  
Assessment: The substance or mixture has no acute oral toxicity

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Acute inhalation toxicity : LC50 (Rat, male): > 24,3 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity

### Skin corrosion/irritation

#### Components:

##### **dibenzoyl peroxide:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

### Serious eye damage/eye irritation

#### Components:

##### **dibenzoyl peroxide:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Irritating to eyes.

### Respiratory or skin sensitisation

#### Components:

##### **dibenzoyl peroxide:**

Exposure routes : Skin  
Species : Mouse  
Assessment : May cause sensitisation by skin contact.  
Method : OECD Test Guideline 429  
Result : Causes sensitisation.

### Germ cell mutagenicity

#### Components:

##### **dibenzoyl peroxide:**

Genotoxicity in vitro : Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Genotoxicity in vivo : Cell type: Somatic  
Application Route: Intraperitoneal injection  
Dose: 0, 50, 100, 200 mg/kg b.w.  
Method: OECD Test Guideline 474  
Result: negative

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### Carcinogenicity

#### Components:

##### **dibenzoyl peroxide:**

|                   |   |                        |
|-------------------|---|------------------------|
| Species           | : | Mouse, male and female |
| Application Route | : | Dermal                 |
| Exposure time     | : | 104 weeks              |
| Result            | : | negative               |

### Reproductive toxicity

#### Components:

##### **dibenzoyl peroxide:**

|                               |   |                                                                                                                                                                                                                                                    |
|-------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Effects on fertility          | : | Species: Rat, male and female<br>Application Route: Oral<br>Dose: 0, 250, 500, 1,000 mg/kg b.w/<br>General Toxicity - Parent: NOAEL: 500 mg/kg body weight<br>General Toxicity F1: NOAEL: 500 mg/kg body weight<br>Method: OECD Test Guideline 422 |
| Effects on foetal development | : | Species: Rat<br>Dose: 100, 300 or 1000 mg/kg/day<br>General Toxicity Maternal: NOAEL: 300 mg/kg body weight<br>Developmental Toxicity: NOAEL: 300 mg/kg body weight<br>Method: OECD Test Guideline 414                                             |

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

### Repeated dose toxicity

#### Components:

##### **dibenzoyl peroxide:**

|                     |   |                         |
|---------------------|---|-------------------------|
| Species             | : | Rat, male and female    |
| NOAEL               | : | > 100 mg/kg             |
| Application Route   | : | Skin contact            |
| Number of exposures | : | 2 years                 |
| Method              | : | OECD Test Guideline 451 |

### Aspiration toxicity

No data available

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

|            |   |                                                                                                                                                                                                                                   |
|------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assessment | : | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at |
|------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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levels of 0.1% or higher

### Experience with human exposure

No data available

### Toxicology, Metabolism, Distribution

No data available

### Neurological effects

No data available

### Further information

No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### **dibenzoyl peroxide:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,0602 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Test substance: Fresh water  
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0,11 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : EbC50 (Selenastrum capricornutum (green algae)): 0,0422  
plants  
mg/l  
Exposure time: 72 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic : 10  
toxicity)

Toxicity to microorganisms : EC50 (activated sludge): 35 mg/l  
Exposure time: 0,5 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 209

Toxicity to daphnia and other : EC10: 0,001 mg/l  
aquatic invertebrates  
(Chronic toxicity)  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Test Type: semi-static test  
Method: OECD Test Guideline 211

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M-Factor (Chronic aquatic toxicity) : 10

### 12.2 Persistence and degradability

#### Components:

##### **dibenzoyl peroxide:**

Biodegradability : Inoculum: activated sludge  
Concentration: 4 mg/l  
Result: Readily biodegradable.  
Biodegradation: 68 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

### 12.3 Bioaccumulative potential

#### Components:

##### **dibenzoyl peroxide:**

Partition coefficient: n-octanol/water : log Pow: 3,2 (22 °C)  
pH: 7,02  
Method: OECD Test Guideline 117

### 12.4 Mobility in soil

#### Components:

##### **dibenzoyl peroxide:**

Distribution among environmental compartments : Koc: 6309,57  
Method: OECD Test Guideline 121

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

### 12.7 Other adverse effects

#### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life with long lasting effects.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

|                        |                                                                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                | : Dispose of contents and container in accordance with all local, regional, national and international regulations.<br>Do not dispose of waste into sewer.<br>Do not contaminate ponds, waterways or ditches with chemical or used container. |
| Contaminated packaging | : Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.                                                                                                                                               |

### SECTION 14: Transport information

#### 14.1 UN number or ID number

|      |           |
|------|-----------|
| ADN  | : UN 3077 |
| ADR  | : UN 3077 |
| RID  | : UN 3077 |
| IMDG | : UN 3077 |
| IATA | : UN 3077 |

#### 14.2 UN proper shipping name

|      |                                                                              |
|------|------------------------------------------------------------------------------|
| ADN  | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.<br>(DIBENZOYL PEROXIDE) |
| ADR  | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.<br>(DIBENZOYL PEROXIDE) |
| RID  | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.<br>(DIBENZOYL PEROXIDE) |
| IMDG | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.<br>(DIBENZOYL PEROXIDE) |
| IATA | : Environmentally hazardous substance, solid, n.o.s.<br>(DIBENZOYL PEROXIDE) |

#### 14.3 Transport hazard class(es)

|      | Class | Subsidiary risks |
|------|-------|------------------|
| ADN  | : 9   |                  |
| ADR  | : 9   |                  |
| RID  | : 9   |                  |
| IMDG | : 9   |                  |

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### 14.4 Packing group

#### ADN

Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9

#### ADR

Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9  
Tunnel restriction code : (-)

#### RID

Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9

#### IMDG

Packing group : III  
Labels : 9  
EmS Code : F-A, S-F

#### IATA (Cargo)

Packing instruction (cargo aircraft) : 956  
Packing instruction (LQ) : Y956  
Packing group : III  
Labels : Miscellaneous

#### IATA (Passenger)

Packing instruction (passenger aircraft) : 956  
Packing instruction (LQ) : Y956  
Packing group : III  
Labels : Miscellaneous

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous : yes

#### ADR

Environmentally hazardous : yes

#### RID

Environmentally hazardous : yes

#### IMDG

Marine pollutant : yes

#### IATA (Passenger)

Environmentally hazardous : yes

#### IATA (Cargo)

Environmentally hazardous : yes

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**HUNTSMAN**

Enriching lives through innovation

## HARDENER 2053 B

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
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### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E1 ENVIRONMENTAL HAZARDS

Occupational Illnesses (R-461-3, France) : 44

Installations classified for the protection of the environment (Environment Code R511-9) : 4510

Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

### The components of this product are reported in the following inventories:

DSL : All components of this product are on the Canadian DSL

AIIC : On the inventory, or in compliance with the inventory

NZIoC : Not in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

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|       |                                                                     |
|-------|---------------------------------------------------------------------|
| KECI  | : On the inventory, or in compliance with the inventory             |
| PICCS | : Not in compliance with the inventory                              |
| IECSC | : On the inventory, or in compliance with the inventory             |
| TCSI  | : On the inventory, or in compliance with the inventory             |
| TSCA  | : On or in compliance with the active portion of the TSCA inventory |

### Inventories

AICS (Australia), AIIIC (Australia), DSL (Canada), IECSC (China), ENCS (Japan), KECI (Korea), NZIOC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States of America (USA))

### 15.2 Chemical safety assessment

Chemical Safety Assessments for all substances in this product are either Complete or Not applicable.

## SECTION 16: Other information

### Full text of H-Statements

|      |                                                         |
|------|---------------------------------------------------------|
| H241 | : Heating may cause a fire or explosion.                |
| H317 | : May cause an allergic skin reaction.                  |
| H319 | : Causes serious eye irritation.                        |
| H400 | : Very toxic to aquatic life.                           |
| H410 | : Very toxic to aquatic life with long lasting effects. |

### Full text of other abbreviations

|                 |                                        |
|-----------------|----------------------------------------|
| Aquatic Acute   | : Short-term (acute) aquatic hazard    |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard   |
| Eye Irrit.      | : Eye irritation                       |
| Org. Perox.     | : Organic peroxides                    |
| Skin Sens.      | : Skin sensitisation                   |
| FR VLE          | : France. Occupational Exposure Limits |
| FR VLE / VME    | : Time Weighted Average                |

### Further information

#### Classification of the mixture:

|                 |      |
|-----------------|------|
| Eye Irrit. 2    | H319 |
| Skin Sens. 1    | H317 |
| Aquatic Acute 1 | H400 |

#### Classification procedure:

|                    |
|--------------------|
| Calculation method |
| Calculation method |
| Calculation method |

# SAFETY DATA SHEET

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Aquatic Chronic 1

H410

Calculation method

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