

# WALKER REGENERATION ACTIVATOR

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 24/06/2010

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Version: 6.1

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

#### 1.1. Product identifier

Product form : Mixture  
Product name. : WALKER REGENERATION ACTIVATOR  
Product code : 80611  
Product group : Blend

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use  
Industrial/Professional use spec. : Non-dispersive use  
Used in closed systems  
Function or use category : Lubricants and additives

##### 1.2.2. Uses advised against

No additional information available

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

SPHERETECH Europe SAS.  
Rue des Entrepreneurs, 8  
59124 Escaudain - France  
T 0032 (0)327 33 04 10 - F 0033(0)327 33 27 17  
[contact@spheredtech-europe.com](mailto:contact@spheredtech-europe.com)

#### 1.4. Emergency telephone number

Emergency number : 0032 (0)70 245 245

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Asp. Tox. 1 H304  
Aquatic Chronic 3 H412  
Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC or 1999/45/EC

Xn; R65  
R44  
R66  
R52/53  
Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]



Hazard pictograms (CLP)

:

GHS08

Signal word (CLP) : Danger.  
Hazardous ingredients : Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics  
Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways  
H412 - Harmful to aquatic life with long lasting effects  
Precautionary statements (CLP) : P280 - Wear protective gloves, eye protection

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P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor  
P331 - Do NOT induce vomiting  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations  
P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children

EUH phrases

: EUH044 - Risk of explosion if heated under confinement  
EUH066 - Repeated exposure may cause skin dryness or cracking

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics	(EC no) 926-141-6 (REACH-no) 01-2119456620-43	< 85	Xn; R65 R66
2-Ethylhexyl nitrate	(EC no) 248-363-6 (REACH-no) 01-2119539586-27	5 - 10	Xn; R20/21/22 Xn; R65 N; R51/53 R44
Hydrocarbons, C11-C13, Isoalkanes, <2% aromatics	(CAS No) 90622-58-5 (EC no) 292-460-6	1 - 5	Xn; R65 R66
2-Ethylhexyl nitrate	(CAS No) 27247-96-7 (EC no) 248-363-6	1 - 5	Xn; R20/21/22 N; R51/53 R44 R66
2-Ethylhexan-1-ol	(CAS No) 104-76-7 (EC no) 203-234-3 (REACH-no) 01-2119487289-20	1 - 2,5	Xn; R20 Xi; R36/37/38
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics	(EC no) 926-141-6 (REACH-no) 01-2119456620-43	< 85	Asp. Tox. 1, H304
2-Ethylhexyl nitrate	(EC no) 248-363-6 (REACH-no) 01-2119539586-27	5 - 10	Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 Aquatic Chronic 2, H411
Hydrocarbons, C11-C13, Isoalkanes, <2% aromatics	(CAS No) 90622-58-5 (EC no) 292-460-6	1 - 5	Asp. Tox. 1, H304
2-Ethylhexyl nitrate	(CAS No) 27247-96-7 (EC no) 248-363-6	1 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 2, H411
2-Ethylhexan-1-ol	(CAS No) 104-76-7 (EC no) 203-234-3 (REACH-no) 01-2119487289-20	1 - 2,5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of R-, H- and EUH-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: Assure fresh air breathing. Place the victim in semi-seated position. If not breathing, give artificial respiration. Seek medical advice.
First-aid measures after skin contact	: Seek medical attention if ill effect or irritation develops. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Seek medical attention if ill effect or irritation develops. Remove lenses.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.

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

Symptoms/injuries after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/injuries after skin contact	: Contact during a long period may cause light irritation.
Symptoms/injuries after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/injuries after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Alcohol resistant foam. Water fog. Foam. Powder. Dry chemical product.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

No additional information available

### 5.3. Advice for firefighters

Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: High temperature may liberate dangerous gases.

## SECTION 6: Accidental release measures

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

General measures	: Clear all other personnel from the area. Eliminate every possible source of ignition. Ensure good ventilation of the work station.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing and gloves.
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#### 6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing and gloves.
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### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

For containment	: Impound and recover large spill by mixing it with inert granular solids.
Methods for cleaning up	: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Spill area may be slippery. Use suitable disposal containers.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Do not breathe gas, fumes, vapour or spray. Do not eat, drink or smoke when using this product. Avoid all unnecessary exposure.
Handling temperature	: < 40 °C
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

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

Incompatible products	: aluminium. Oxidizing agents.
Storage temperature	: < 40 °C
Storage area	: Store in dry, cool, well-ventilated area.
Special rules on packaging	: Packaging destined for the general public must be fitted with child-proof closures and a tactile danger indication.

### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics

Belgium	Limit value (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup> 8h
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##### 2-Ethylhexyl nitrate

EU	IOELV TWA (ppm)	1 ppm
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##### 2-Ethylhexyl nitrate (27247-96-7)

EU	IOELV TWA (ppm)	1 ppm 8h
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: 5 mg/m<sup>3</sup> for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).

#### 8.2. Exposure controls

Personal protective equipment : In case of splash hazard: safety glasses. Gloves.



Hand protection : Wear suitable gloves resistant to chemical penetration.  
Eye protection : Safety glasses.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Oily liquid.
Colour	: Yellow-brown.
Odour	: Characteristic.
Odour threshold	: No data available pH
: No data available Relative evaporation rate (butylacetate=1)	:
No data available Melting point	:
No data available Freezing point	:
No data available Boiling point	:
No data available Flash point	: 75
°C @ ASTM D92	
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 833 kg/m <sup>3</sup>
Solubility	: Slightly soluble, the product remains on the water surface.
Log Pow	: No data available
Viscosity, kinematic	: 2,21 mm <sup>2</sup> /s
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

None under normal conditions.

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### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

Overheating.

### 10.5. Incompatible materials

aluminium. acids. Bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics

LD50 oral rat	> 5000 mg/kg OECD 401
LD50 dermal rabbit	> 5000 mg/kg OECD 402
LC50 inhalation rat (mg/l)	> 5000 mg/m <sup>3</sup> OECD 403

#### 2-Ethylhexyl nitrate (27247-96-7)

LD50 oral rat	> 10000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

Potential Adverse human health effects and symptoms : Inhalation of vapours may cause respiratory irritation. May cause sensitization by inhalation and skin contact. May result in aspiration into the lungs, causing pneumonia. Prolonged or repeated contact may cause skin to become dry or cracked. May cause irritation to the eyes.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 2-Ethylhexyl nitrate

LC50 fishes 1	2 mg/l @4d Brachydanio rerio
EC50 Daphnia 1	> 12,6 @2d
EC50 other aquatic organisms 1	3,22 mg/l
NOEC (acute)	1,52 mg/l @4d (brachydanio rerio)

### 12.2. Persistence and degradability

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Persistence and degradability : Not soluble in water, so only minimally biodegradable.

### 12.3. Bioaccumulative potential

#### 2-Ethylhexyl nitrate

Log Kow	5,24
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### 12.4. Mobility in soil

#### 2-Ethylhexyl nitrate

Mobility in soil	3,75
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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Additional information : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

In accordance with ADR / RID / ADN / IMDG / ICAO / IATA

### 14.1. UN number

No dangerous good in sense of transport regulations

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

No additional information available

#### 14.6.2. Transport by sea

No additional information available

#### 14.6.3. Air transport

No additional information available

#### 14.6.4. Inland waterway transport

No additional information available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Other information : The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Full text of R-, H- and EUH-phrases::

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Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R20	Harmful by inhalation
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R44	Risk of explosion if heated under confinement.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*