

Safety Data Sheet for:

Crankcase Sealer Dirko HT Red, STIHL Part No. 0783 830 2000

Distributed by:

STIHL Incorporated
536 Viking Drive
Virginia Beach, Virginia 23452
757-486-9100



Das Original

1. Identification

Product identifier

Dirko HT

Details of the supplier of the safety data sheet

Company name: Elring Klinger AG
Street: Max-Eyth-Straße 2
Place: D-72581 Dettingen/Erms
Responsible Department: 1ET
det.iam.sdb@elringklinger.com

Emergency phone number: Universitätsklinikum Freiburg
Vergiftungs-Informations-Zentrale
+49 761270-43600
+49 761270-44570

2. Hazard(s) identification

Classification of the chemical

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes skin irritation

Causes serious eye irritation

Label elements

Signal word: Warning
Pictograms: exclamation mark



Hazard statements

Causes skin irritation

Causes serious eye irritation

Precautionary statements

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation occurs: Get medical advice/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 advice/attention.

Hazards not otherwise classified

No data available.

3. Composition/information on ingredients

Mixtures

Chemical characterization

Mixture of the following substances with non-hazardous admixtures

Hazardous components

CAS No	Components	Quantity
4253-34-3	methyltriacetoxysilane	1.4 %
17689-77-9	triacetoxethylsilane	1.4 %



Das Original

Further Information

Contact with moisture (water) liberates acetic acid.

4. First-aid measures

Description of first aid measures

General information

Take affected person into fresh air.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.

In the event of symptoms refer for medical treatment.

After contact with skin

Remove mechanically using a cloth or paper.

Flush rests with sufficient amount of water.

Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Consult a physician.

After ingestion

Rinse out mouth and give plenty of water to drink.

Do not induce vomiting.

Seek medical advice immediately.

Most important symptoms and effects, both acute and delayed

WARNING !

Irritating to eyes and skin.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Indication of any immediate medical attention and special treatment needed

Treat symptoms.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), water-spray.

Unsuitable extinguishing media

Full water jet.

Specific hazards arising from the chemical

Fire may produce: Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

Special protective equipment and precautions for fire-fighters

Use breathing apparatus with independent air supply.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use personal protective clothing.

Environmental precautions

No specific precautions required.

Methods and material for containment and cleaning up

Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.

Reference to other sections

Refer to section: 8

7. Handling and storage

Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation.
Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

No specific precautions required.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep containers tightly closed in a cool, well-ventilated place.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

8. Exposure controls/personal protection

Control parameters

Exposure controls

Appropriate engineering controls

Refer to section: 7

Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.
When using do not eat, drink or smoke.
Avoid contact with eyes, skin or oral tissues.
Remove and wash contaminated clothing before re-use.
Take the usual precautions when handling with chemicals.

Eye/face protection

Safety goggles

Hand protection

Chemical protective gloves (Butyl rubber, Nitrile rubber, Rubber, natural)
Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Skin protection

Long sleeved clothing.

Respiratory protection

Use suitable breathing apparatus if there is inadequate ventilation. (Multi-purpose filter ABEK)

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Pasty
Color:	Red/Brown
Odor:	Acetic acid

Changes in the physical state

Melting point/freezing point:	n.d.
Initial boiling point and boiling range:	n.a.
Flash point:	> 151 °C
Density (at 20 °C):	1,3 g/cm ³
Water solubility:	Slightly miscible
Explosive properties	The product is not explosive.
Oxidizing properties	The product is not self-igniting.

Other information

No data available.

10. Stability and reactivity

Reactivity

No data available.

Chemical stability

Stability: Stable

No data available.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

No hazardous reactions known.

Conditions to avoid

No data available.

Incompatible materials

No data available.

Hazardous decomposition products

No decomposition if stored and applied as directed.

To avoid thermal decomposition, do not overheat.

(>150°C) Possibility of splitting-off of small amounts of formaldehyde.

11. Toxicological information

Information on toxicological effects

Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Causes skin irritation

Causes serious eye irritation

Sensitizing effects

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

Aspiration hazard

Based on available data, the classification criteria are not met.

12. Ecological information

Ecotoxicity

No data available.

Persistence and degradability

Not degradable

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

No data available.

Further information

Slightly water hazardous.

13. Disposal considerations

Waste treatment methods

Advice on disposal

Can be incinerated, when in compliance with local regulations.
Where possible recycling is preferred to disposal.

Contaminated packaging

Empty receptacle completely. Dispose like the product.

14. Transport information

US DOT 49 CFR 172.101; Marine transport (IMDG); Air transport (ICAO)

UN number:

Non hazardous material as defined by the transport regulations.

UN proper shipping name:

Non hazardous material as defined by the transport regulations.

Transport hazard class(es):

Non hazardous material as defined by the transport regulations.

Packing group:

Non hazardous material as defined by the transport regulations.

Environmental hazards

Non hazardous material as defined by the transport regulations.

Special precautions for user

Non hazardous material as defined by the transport regulations.

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

Non hazardous material as defined by the transport regulations.

15. Regulatory information

U.S. Regulations

National Inventory TSCA

All of the components are listed on the TSCA inventory.

SARA

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

16. Other information

Hazardous Materials Information Label (HMIS)

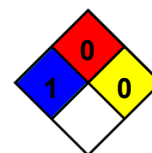
Health: 1
Flammability: 0
Physical Hazard: 0

NFPA Hazard Ratings

Health: 1
Flammability: 0
Reactivity: 0
Unique Hazard:

Changes

Revision date: 19.11.2014
Revision No: 1,2
Changes in chapter: -





Das Original

Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

DOT = Department of Transportation

TDG = Transport of Dangerous Goods

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

Other data

National and local regulations concerning chemicals shall be observed.

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult Prescribing Information and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)