

Printing date: 03/17/2014

Reviewed on: 03/17/2014

1 Identification

Product identifier

Trade name: **Oxi-Cure® 102 Oil**

SAP Material Number: 100088860; 100089033

Application of the substance / the mixture: Industrial uses.

Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Cargill, Incorporated

Cargill Industrial Specialties

9320 Excelsior Blvd.

Hopkins, Minnesota 55343

Tel: 1-952-984-9122

E-mail: CIS_CustomerService@Cargill.com

Emergency telephone number: 1-800-255-3924 (ChemTel)



2 Hazard(s) identification

Classification of the substance or mixture:

The product is not classified as hazardous according to the Globally Harmonized System (GHS).

Label elements

GHS label elements: Not Regulated

Hazard pictograms: Not Regulated

Signal word: Not Regulated

Hazard-determining components of labeling: None.

Hazard statements: Not Regulated

Additional information:

Repeated exposure may cause skin dryness or cracking.

Rags, steel wool, or waste soaked with product may spontaneously ignite if improperly handled or discarded.

Hazard description

WHMIS-symbols: Not hazardous under WHMIS.

Classification system:

NFPA ratings (scale 0 - 4)



Health = 1

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = 1

Fire = 1

Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Printing date: 03/17/2014

Reviewed on: 03/17/2014

Trade name: Oxi-Cure® 102 Oil

3 Composition/information on ingredients

Chemical characterization: Mixture.

Description: Linseed oil with additives.

Hazardous components: None in reportable quantities.

Additional information: Product contains metal driers at < 0.01% total weight.

4 First-aid measures

Description of first aid measures

General information:

No special measures required.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

Most important symptoms and effects, both acute and delayed:

Gastric or intestinal disorders when ingested.

Nausea in case of ingestion.

Slight irritant effect on eyes.

Slight irritant effect on skin and mucous membranes.

Danger: None.

Indication of any immediate medical attention and special treatment needed:

No additional information.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

Foam.

Gaseous extinguishing agents.

Fire-extinguishing powder.

Carbon dioxide.

For safety reasons unsuitable extinguishing agents: Water

Special hazards arising from the substance or mixture

Rags, steel wool, or waste soaked with product may spontaneously ignite if improperly handled or discarded.

Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information: Cool endangered containers with water fog.

Printing date: 03/17/2014

Reviewed on: 03/17/2014

Trade name: Oxi-Cure® 102 Oil

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

- Use respiratory protective device against the effects of fumes/dust/aerosol.
- Ensure adequate ventilation.
- Particular danger of slipping on leaked/spilled product.
- Wear protective equipment. Keep unprotected persons away.
- Keep away from ignition sources.

Environmental precautions:

- Do not allow to enter sewers/ surface or ground water.
- Prevent from spreading (e.g. by damming-in or oil barriers).

Methods and material for containment and cleaning up:

- Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
- Remove from the water surface (e.g. skim or suction off).
- Send for suitably qualified recovery and/or disposal companies.
- Dispose of the collected material according to regulations.
- Used rags or other cleaning materials should be soaked with water and placed in a sealed container.

Reference to other sections:

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

7 Handling and storage

Precautions for safe handling:

- Prevent formation of aerosols.
- Avoid splashes or spray in enclosed areas.
- Keep containers tightly sealed.
- Use only in well ventilated areas.
- Rags, metal wools / cuttings / shavings and waste papers soaked with product must be placed in a sealed metal container rated for flammable waste.

Information about protection against explosions and fires:

- Keep ignition sources away - Do not smoke.
- Protect from heat.
- Substance/product is ignitable under certain conditions.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and containers:

- Avoid storage near extreme heat, ignition sources or open flame.
- Protect from humidity and water.

Information about storage in one common storage facility:

- Store away from oxidizing agents.
- Store away from foodstuffs.
- Do not store together with textiles.

Printing date: 03/17/2014

Reviewed on: 03/17/2014

Trade name: Oxi-Cure® 102 Oil

Further information about storage conditions:

Store in cool, dry conditions in well sealed containers.
Avoid prolonged contact with air / oxygen.

Specific end use(s): No additional information.

8 Exposure controls/personal protection

Additional information about design of technical systems: No additional information.

Control parameters

Components with limit values that require monitoring at the workplace:

8001-26-1 Linseed oil

PEL (USA)	Short-term value: 15* 5** mg/m ³ *Total dust **Respirable fraction
OEL (Canada)	Short-term value: 10* 3** mg/m ³ *Mist **Respirable mist
TWA (Canada)	Short-term value: 10* 3** mg/m ³ *Mist **Respirable mist

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.
Do not eat, drink, smoke or use smokeless tobacco products while working.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.
Do not carry product impregnated cleaning cloths in trouser pockets.
Immediately remove all soiled and contaminated clothing.

Breathing equipment:

Not required under normal conditions of use.
Use suitable respiratory protective device in case of insufficient ventilation.
Use suitable respiratory protective device when aerosol or mist is formed.
For spills, respiratory protection may be advisable.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product. Selection of the glove material should be based on the penetration time, rates of diffusion and the degradation of the glove material. Wear protective gloves to handle contents of damaged or leaking units.

Material of gloves:

The selection of a suitable gloves does not only depend on the material, but also on the quality, and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time has to be determined by the manufacturer of the protective gloves. DO NOT exceed the breakthrough time set by the Manufacturer.

Printing date: 03/17/2014

Reviewed on: 03/17/2014

Trade name: Oxi-Cure® 102 Oil

Eye protection:



Safety glasses

Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Color:	Dark
Odor:	Solvent-like
Odor threshold:	Not determined.
pH-value:	Not determined.

Change in condition

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.

Flash point: 110°C (228°F) (Closed Cup)

Flammability (solid, gaseous): Not applicable.

Auto-ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits

Lower:	Not determined.
Upper:	Not determined.

Vapor pressure: Not determined.

Density at 20 °C (68 °F): 0.93 - 0.94 g/cm³ (7.76 - 7.84 lbs/gal)

Relative density: Not determined.

Vapor density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Printing date: 03/17/2014

Reviewed on: 03/17/2014

Trade name: Oxi-Cure® 102 Oil

Viscosity

Dynamic at 25 °C (77 °F):

94 cSt@ 40oC

Kinematic:

Not determined.

Other information:

No additional information.

10 Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Oxidizes rapidly and exothermically if large surface area is present; may spontaneously combust under certain conditions.

Possibility of hazardous reactions:

Reacts with strong oxidizing agents.

Reacts with peroxides and other radical forming substances.

Self-igniting under certain conditions.

Reacts with strong acids and alkali.

Toxic fumes may be released if heated above the decomposition point.

Conditions to avoid:

Store away from oxidizing agents.

Keep ignition sources away - Do not smoke.

Incompatible materials: No additional information.

Hazardous decomposition products:

Carbon monoxide and carbon dioxide.

Toxic metal oxide smoke.

11 Toxicological information

Information on toxicological effects

Acute toxicity

Primary irritant effect:

On the skin: Slight irritant effect on skin and mucous membranes.

On the eye: Slight irritant effect on eyes.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

Carcinogenic categories

NTP (National Toxicology Program):

None of the ingredients is listed.

Printing date: 03/17/2014

Reviewed on: 03/17/2014

Trade name: Oxi-Cure® 102 Oil

12 Ecological information

Toxicity

Aquatic toxicity: The product contains materials that are harmful to the environment.

Persistence and degradability: No additional information.

Bioaccumulative potential: No additional information.

Mobility in soil: No additional information.

Ecotoxicological effects

Remark:

Due to mechanical actions of the product (e.g. agglutinations) damages may occur.

Additional ecological information

General notes:

The product contains heavy metals. Avoid transfer into the environment. Specific preliminary treatments are necessary.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No additional information.

13 Disposal considerations

Waste treatment methods

Recommendation:

Contact waste processors for recycling information.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to all the applicable regulations.

Uncleaned packagings:

Recommendation: Disposal must be made according to the applicable regulations.

14 Transport information

UN-Number

DOT, ADR, ADN, IMDG, IATA: Not Regulated

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA: Not Regulated

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA
Class: Not Regulated

Printing date: 03/17/2014

Reviewed on: 03/17/2014

Trade name: Oxi-Cure® 102 Oil

Packing group	
DOT, ADR, IMDG, IATA:	Not Regulated
Environmental hazards	
Marine pollutant:	No
Special precautions for user:	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	-

15 Regulatory information

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

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.

TSCA (Toxic Substances Control Act):
All ingredients are listed.

Proposition 65 (California)

Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency):
None of the ingredients is listed.

IARC (International Agency for Research on Cancer):
None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH):
None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration):
None of the ingredients is listed.

State Right to Know Listings:
None of the ingredients is listed.

Printing date: 03/17/2014

Reviewed on: 03/17/2014

Trade name: Oxi-Cure® 102 Oil

Canadian substance listings:

Canadian Domestic Substances List (DSL):

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%):

8001-26-1	Linseed oil
-----------	-------------

16 Other information

Date of preparation / last revision: 03/17/2014

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

DOT: US Department of Transportation.

IATA: International Air Transport Association.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

ACGIH: American Conference of Governmental Industrial Hygienists.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

HMS: Hazardous Materials Identification System (USA).

WHMIS: Workplace Hazardous Materials Information System (Canada).

DNEL: Derived No-Effect Level (REACH).

PNEC: Predicted No-Effect Concentration (REACH).

This information contained in this safety data sheet is, to the best of Cargill's knowledge, correct as of the date issued. However, Cargill makes no warranties, express or implied, including any implied warranty of merchantability or any implied warranty of fitness for a particular purpose. Since the use of this product and related information is not within the control of Cargill, it is the user's obligation to determine whether the product is suitable for the user's method of use or application. Cargill disclaims all liability in connection with the use of the information contained herein or otherwise.