

1 Identification

Product identifier**Trade name:** Additive D72**Article number:** 03157-02**Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the preparation:

For industrial use only

Metal working auxiliary

Additive

Details of the supplier of the safety data sheet**Manufacturer / Supplier:**

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Information department:

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Emergency telephone number:

For advice on chemical emergencies, spillages, fires or exposures: +1 866 928 0789 (Toll free).

2 Hazard(s) identification

OSHA/HCS status

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

Classification of the substance or mixture

May cause an allergic skin reaction.

Label elements**GHS label elements** The product is classified and labeled according to 29 CFR 1910.1200 (OSHA Hazcom 2012).**Hazard pictograms****Signal word** Warning**Hazard-determining components of labeling:**

linalyl acetate

Nerol

Geranyl acetate

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves.

P302+P352 If on skin: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards None

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Declarable components:

CAS no.

115-95-7	linalyl acetate	<1%
106-25-2	Nerol	<0.5%
105-87-3	Geranyl acetate	<0.25%
120-57-0	piperonal	<0.25%

Additional information:

The specific chemical identity and/or exact percentage concentration of proprietary components is withheld as a trade secret.

4 First-aid measures

Description of first aid measures

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Not applicable, as the concentrate is not volatile.

After skin contact: Immediately wash with water and soap and rinse thoroughly.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** If symptoms persist consult doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray.**For safety reasons unsuitable extinguishing agents:** Water with full jet**Special hazards arising from the substance or mixture** No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.**Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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7 Handling and storage

Handling:**Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

The product has been classified and marked in accordance with directives on hazardous materials.

Observe the general safety regulations when handling chemicals.

Information about protection against explosions and fires: No special measures required.**Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.**Information about storage in one common storage facility:** Store away from oxidizing agents.**Further information about storage conditions:**

Protect from heat and direct sunlight.

Optimal storage temperature between 32°F and 104°F

Minimum shelf life: In closed, original container, at least 24 months.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.**Control parameters****Components with limit values at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Respiratory Protection: Not required.**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves (recommended): Suitable protective gloves: Nitrile gloves, minimum thickness of 0.3 mm.**Breakthrough time of glove material:**

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection (recommended):

Eye protector with side protection (framed eyeglasses) ANSI Z87.1 – 2010

Use of tight fitting goggles

Body protection (recommended): Protective work clothing

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9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Color:	Colorless
Odor:	Characteristic
Odor threshold:	Not determined.

pH-value: Not applicable.

Change in condition:

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

Flash point: 190 °C (374 °F) (ISO 2592 / ASTM D92)
Evaporation rate: Not determined.

Flammability (solid, gaseous): Not applicable.

Explosion limits (@1013 mbar):

Lower:	Not determined.
Upper:	Not determined.

Oxidizing properties

Relative density: 0.95 @ 68°F (20°C) (DIN 51757 / ASTM D1217)

Vapor density

Not applicable.

Evaporation rate

Not determined.

Solubility in / Miscibility with

Water: Insoluble.

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

Auto-ignition temperature: Product is not selfigniting.

Decomposition temperature: Not determined.

Viscosity

Kinematic at 40 °C (104 °F): 14 mm²/s

VOC content: Not determined.

Other information:

none
No further relevant information available.

10 Stability and reactivity

Reactivity None known if used as directed.

Chemical stability Stable under recommended storage conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions Reacts with strong oxidizing agents.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products

(in case of fire or oxidation):

Carbon monoxide and carbon dioxide

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11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

> 2000 - < 5000 mg / kg (oral, rat)

> 5,100 mg/m³ 4h (inhalation, rat)

Primary irritant effect:

on the skin: No irritant effect.**on the eye:** No irritating effect.**Sensitization:** Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

IARC (International Agency for Research on Cancer)

None of the ingredients is listed in groups 1, 2A, or 2B.

NTP (National Toxicology Program)

None of the ingredients are listed.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.**Persistence and degradability** No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.**Mobility in soil** No further relevant information available.

Additional ecological information:

General notes: Do not allow product 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 further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation:

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

Used containers

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number

DOT, IMDG, IATA

Not regulated

DOT, IMDG, IATA

Not regulated

DOT, IMDG, IATA

Hazard Classification:

Not regulated

DOT, IMDG, IATA

Not regulated

Environmental hazards

Not applicable.

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Special precautions for user Not applicable.

Transport/Additional information: Not hazardous according to the above specifications.

IATA IATA Dangerous Goods Regulation (DGR): latest edition

UN "Model Regulation": Not regulated

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:
SARA (Superfund Amendments and Reauthorization)
Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

All of the ingredients are listed.

California Proposition 65

This product contains one or more chemicals listed under California Proposition 65. Such chemicals are not used as raw materials in the product formulation but rather are typical impurities.

Carcinogenic categories:
EPA (Environmental Protection Agency)

None of the ingredients are listed.

NIOSH-Carcinogen list

None of the ingredients are listed.

California SCAQMD Rule 1144: Not applicable.

GHS label elements GHS label elements are issued under section 2.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

H.R.2420 (RoHS):

This product fulfill the H.R.2420 requirements in that the EDEE Act regulated materials are absent or their concentrations are significantly below regulatory thresholds.

NFPA ratings (scale 0-4)


Health = 0

Fire = 1

Reactivity = 0

Department issuing SDS: Product Stewardship

Editor's notice:

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

Abbreviations and acronyms:

RoHS: Restriction of Hazardous Substances

ADR: Accord relatif au transport international 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

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IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
ISO: International Organisation for Standardisation
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic chemicals
vPvB: very Persistent and very Bioaccumulative chemicals
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
ATE: Acute Toxicity Estimate
Skin Sens. 1: Skin sensitisation – Category 1

*** Data compared to the previous version altered.**

The asterisk (*) on the left side indicate the respective changes from the previous version.

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