

Safety Data Sheet dated May 22, 2018, version 1
This version cancels and substitutes any previous version

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

1.1. Product identifier

Mixture identification:

Trade name: SMART SHOT COOL ENHANCER

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

Recommended use:

AC/R performance booster

1.3. Details of the supplier of the safety data sheet

Company:

COOL AIR PRODUCTS

5850 Waterloo Rd., #140

Columbia, Maryland 21045

TEL: 443-506-8560

Competent person responsible for the safety data sheet: info@coolairproducts.net

1.4. Emergency telephone number:

CHEMTREC (24 HOURS): US & Canada 800-424-9300 Call collect outside continental US & Canada: 703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances




N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

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Qty	Name	Ident. Number	Classification
>= 1% - < 2.5%	phenol, isopropylated, phosphate (3:1)	CAS: 68937-41-7 EC: 273-066-3	 3.7/2 Repr. 2 H361  3.9/2 STOT RE 2 H373  4.1/C2 Aquatic Chronic 2 H411

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

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See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular. See also paragraph 10 below.
Instructions as regards storage premises:
Adequately ventilated premises.
- 7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
No occupational exposure limit available
- DNEL Exposure Limit Values
phenol, isopropylated, phosphate (3:1) - CAS: 68937-41-7
Worker Professional: 200 mg/kg - Consumer: 100 mg/kg - Exposure: Human Dermal -
Frequency: Short Term, systemic effects
Worker Professional: 20.1 mg/m³ - Consumer: 5 mg/m³ - Exposure: Human Inhalation -
Frequency: Short Term, systemic effects
Worker Professional: 16 mg/cm² - Consumer: 8 mg/cm² - Exposure: Human Dermal -
Frequency: Short Term, local effects
Worker Professional: 4.17 mg/kg - Consumer: 2.08 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
Worker Professional: 0.29 mg/m³ - Consumer: 0.07 mg/m³ - Exposure: Human
Inhalation - Frequency: Long Term, systemic effects
Consumer: 50 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic
effects
Consumer: 0.04 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic
effects
- PNEC Exposure Limit Values
phenol, isopropylated, phosphate (3:1) - CAS: 68937-41-7
Target: Fresh Water - Value: 0.00029 mg/l
Target: Marine water - Value: 0.000029 mg/l
Target: Freshwater sediments - Value: 112 mg/kg
Target: Marine water sediments - Value: 0.0168 mg/kg
Target: Microorganisms in sewage treatments - Value: 100 mg/l
- 8.2. Exposure controls
- Eye protection:
Not needed for normal use. Anyway, operate according good working practices.
- Protection for skin:
No special precaution must be adopted for normal use.
- Protection for hands:
Not needed for normal use.
- Respiratory protection:
Not needed for normal use.
- Thermal Hazards:
None
- Environmental exposure controls:
None

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Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour:	liquid violet
Odour:	characteristic
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	>100 ° C
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	0.86 g/mL (25°C)
Solubility in water:	N.A.
Solubility in oil:	total
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.
Viscosity:	N.A.
Explosive properties:	N.A.
Oxidizing properties:	N.A.

9.2. Other information

Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.
V.O.C. (w/w):	N.A.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

Smart Shot

a) acute toxicity

Classification:

Not classified

Considerations:

Based on available data, the classification criteria are not met

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- b) skin corrosion/irritation
Classification: Not classified
Considerations: Based on available data, the classification criteria are not met
- c) serious eye damage/irritation
Classification: Not classified
Considerations: Based on available data, the classification criteria are not met
- d) respiratory or skin sensitisation
Classification: Not classified
Considerations: Based on available data, the classification criteria are not met
- e) germ cell mutagenicity
Classification: Not classified
Considerations: Based on available data, the classification criteria are not met
- f) carcinogenicity
Classification: Not classified
Considerations: Based on available data, the classification criteria are not met
- g) reproductive toxicity
Classification: Not classified
Considerations: Based on available data, the classification criteria are not met
- h) STOT-single exposure
Classification: Not classified
Considerations: Based on available data, the classification criteria are not met
- i) STOT-repeated exposure
Classification: Not classified
Considerations: Based on available data, the classification criteria are not met
- j) aspiration hazard
Classification: Not classified
Considerations: Based on available data, the classification criteria are not met
- Toxicological information of the main substances found in the product:
phenol, isopropylated, phosphate (3:1) - CAS: 68937-41-7
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg Test: LC50 - Route: Inhalation - Species: Rat > 200 mg/l
Test: LD50 - Route: Skin - Species: Rabbit > 10000 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative
- c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Negative
- i) STOT-repeated exposure:
Test: STOT - repeated exposure - Route: Oral Positive - Notes: Target Organs: adrenal gland, liver, reproductive organs.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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Classification: Not classified for environmental hazards

Considerations: Based on available data, the classification criteria are not met

Data:

phenol, isopropylated, phosphate (3:1) - CAS: 68937-41-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 1.6 mg/l - Duration h: 96 - Notes: Species:
Oncorhynchus mykiss

Endpoint: LC50 - Species: Fish 10.8 mg/l - Duration h: 96 - Notes: Species:
Pimephales promelas

Endpoint: EC50 - Species: Daphnia 2.44 mg/l - Duration h: 48 - Notes: Species:
Daphnia magna

12.2. Persistence and degradability

phenol, isopropylated, phosphate (3:1) - CAS: 68937-41-7

Biodegradability: Non-readily biodegradable - Test: Biodegradation (%) - Duration: 28
d - %: 17.9 - Notes: N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

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Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H361 Suspected of damaging fertility or the unborn child if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

H411 Toxic to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Repr. 2	3.7/2	Reproductive toxicity, Category 2
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of
Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical

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	Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.