

SECTION 1 - IDENTIFICATION

MANUF / DIST: ZAPPY'S AUTO WASHES
8806 MENTOR AVE, UNIT D
MENTOR, OH 44060

PREPARER PHONE: 844-927-9274

24 HOUR EMERGENCY PHONE: INFOTRAC 1-800-535-5053

PRODUCT IDENTIFIER **SUPER THICK ORANGE SNOW FOAM**
RECOMMENDED USE FOR INDUSTRIAL USE ONLY

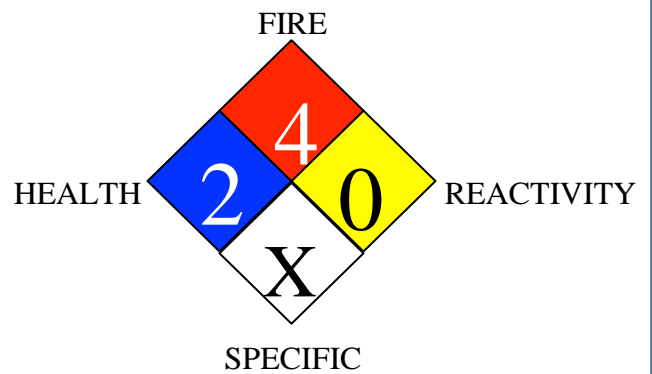
FORMULA: PROPRIETARY RESTRICTIONS ON USE: *SEE
PRODUCT CODE: CRW_110 INFORMATION ON THIS SHEET*
INTENDED USE CAR WASH SOAP

SECTION 2 - HAZARDOUS IDENTIFICATION

HAZARDOUS IDENTIFICATION SYSTEM:

HAZARD WARNING

- 4 - Extreme
- 3 - High
- 2 - Moderate
- 1 - Slight
- 0 - Insignificant
- X- See Section IV & V of SDS Sheet



Signal Word: **DANGER!** FOR HEALTH EFFECTS (Acute and Chronic): SEE SECTION 11

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients acc. to GHS

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Notes |
|---|---------------------------------------|----------|--|-------|
| cocamidopropylhydroxy sul- taine | CAS No 68139-30-0 | 3 – < 12 | Eye Irrit. 2A / H319 | |
| Alcohols, C12-14, 2 mol eth- oxylated, sulfates, sodium salts | CAS No 9004-82-4 6889138-3 15826-16-1 | 3 – < 12 | Acute Tox. 4 / H312 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 | |
| dipropylene glycol mono- methyl ether | CAS No 34590-94-8 | 3 – < 12 | Flam. Liq. 4 / H227 | |
| Propan-2-ol | CAS No 67-63-0 | 1 – < 3 | Eye Irrit. 2 / H319 STOT SE 3 / H336 Flam. Liq. 2 / H225 | |
| 2-methylpentane-2,4diol | CAS No 10741-5 | 1 – < 3 | Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 | |
| sodium nlauroylsarcosinate | CAS No 13716-6 | 1 – < 3 | Acute Tox. 2 / H330 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 | |

SECTION 4 - FIRST AID MEASURES

Description of first - aid measures

General notes:

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when

symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation:

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact:

Wash with plenty of soap and water.

Following eye contact:

Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion:

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation:

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/ lighting/equipment. Use only nonsparking tools.

- Specific notes/details:

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene:

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feeding stuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

Control of the effects

Protect against external exposure, such as Frost

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection Wear eye/face protection.

Skin protection**- Hand protection**

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties****Appearance**

| | |
|----------------|---------------|
| Physical state | liquid |
| Color | imperial blue |
| Odor | fruity |

Other safety parameters

| | |
|---|-----------------------|
| pH (value) | 7 – 8 |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | 82.5 °C |
| Flash point | 70 °C at 101.3 kPa |
| Evaporation rate | not determined |
| Flammability (solid, gas) | not relevant, (fluid) |

Explosive limits

| | |
|-------------------------------|-----------------------------------|
| - Lower explosion limit (LEL) | 1.1 vol% |
| - Upper explosion limit (UEL) | 3 vol% |
| Vapor pressure | 4.3 kPa at 20 °C |
| Density | 1.037 g/ml |
| Vapor density | this information is not available |

Solubility(ies)

| | |
|-----------------------------|--|
| - Water solubility | miscible in any proportion |
| Partition coefficient | |
| - n-octanol/water (log KOW) | this information is not available |
| Auto-ignition temperature | 270 °C (auto-ignition temperature (liquids and gases)) |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidizing properties | none |

Other information

Temperature class (USA, acc. to NEC 500)

T2B (maximum 260°C)

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Hints to prevent fire or explosion use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if inhaled.

| Acute toxicity estimate (ATE) of components of the mixture | | | |
|---|---------------------------------------|-------------------|--------------|
| Name of substance | CAS No | Exposure route | ATE |
| Alcohols, C12-14, 2 mol ethoxylated, sulfates, sodium salts | 9004-82-4 68891-38-3 15826-16-1 | dermal | ≥2,000 mg/kg |
| sodium nlauroylsarcosinate | 137-16-6 | inhalation: vapor | 0.5 mg/l/4h |

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation Causes

serious eye damage.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

| IARC Monographs on the Evaluation of Carcinogenic Risks to Human | | | |
|--|--------|----------------|--------|
| Name of substance | CAS No | Classification | Number |
| | | | |

| | | | |
|-------------|--------|---|--|
| Propan-2-ol | 67-630 | 3 | |
|-------------|--------|---|--|

Legend

3 Not classifiable as to carcinogenicity in humans

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

Harmful to aquatic life with long lasting effects.

| Aquatic toxicity (acute) of components of the mixture | | | | | |
|---|---------------------------------------|----------|--------------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| cocamidopropylhydroxysultaine | 68139-30-0 | LC50 | 1.7 – 2 mg/l | algae | 72 h |
| cocamidopropylhydroxysultaine | 68139-30-0 | LC50 | 1.7 – 2 mg/l | daphnia | 48 h |
| cocamidopropylhydroxysultaine | 68139-30-0 | LC50 | 1.7 – 2 mg/l | fish | 96 h |
| Alcohols, C12-14, 2 mol ethoxylated, sulfates, sodium salts | 9004-82-4 68891-38-3 15826-16-1 | LC50 | 7.1 mg/l | fish | 96 h |
| Alcohols, C12-14, 2 mol ethoxylated, sulfates, sodium salts | 9004-82-4 68891-38-3 15826-16-1 | EC50 | 7.2 mg/l | aquatic invertebrates | 48 h |

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|-------------------|--------|----------|-------|---------|---------------|
|-------------------|--------|----------|-------|---------|---------------|

| | | | | | |
|---|---------------------------------------|-------|-------------|-----------------------|------|
| Alcohols, C12-14, 2 mol ethoxylated, sulfates, sodium salts | 9004-82-4 68891-38-3 15826-16-1 | ErC50 | 27 mg/l | algae | 72 h |
| dipropylene glycol monomethyl ether | 34590-94-8 | LC50 | >150 mg/l | fish | 72 h |
| dipropylene glycol monomethyl ether | 34590-94-8 | ErC50 | >969 mg/l | algae | 72 h |
| Propan-2-ol | 67-63-0 | LC50 | 10,000 mg/l | fish | 96 h |
| 2-methylpentane-2,4-di-ol | 107-41-5 | LC50 | 9,910 mg/l | fish | 96 h |
| 2-methylpentane-2,4-di-ol | 107-41-5 | EC50 | 5,410 mg/l | aquatic invertebrates | 48 h |
| 2-methylpentane-2,4-di-ol | 107-41-5 | ErC50 | >429 mg/l | algae | 72 h |
| sodium n-lauroylsarcosinate | 137-16-6 | EC50 | 107 mg/l | fish | 96 h |
| sodium n-lauroylsarcosinate | 137-16-6 | LC50 | 29.7 mg/l | aquatic invertebrates | 48 h |
| sodium n-lauroylsarcosinate | 137-16-6 | ErC50 | 79 mg/l | algae | 72 h |

Aquatic toxicity (acute) of components of the mixture

Aquatic toxicity (chronic) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---------------------------------------|----------|--------------|-----------------------|---------------|
| Alcohols, C12-14, 2 mol ethoxylated, sulfates, sodium salts | 9004-82-4 68891-38-3 15826-16-1 | EC50 | 0.37 mg/l | aquatic invertebrates | 21 d |
| Alcohols, C12-14, 2 mol ethoxylated, sulfates, sodium salts | 9004-82-4 68891-38-3 15826-16-1 | LC50 | 0.74 mg/l | aquatic invertebrates | 21 d |
| Propan-2-ol | 67-63-0 | LC50 | >10,000 mg/l | aquatic invertebrates | 24 h |
| sodium n-lauroylsarcosinate | 137-16-6 | EC50 | >1,000 mg/l | microorganisms | 3 h |

12.2 Persistence and degradability Data

not available

12.3 Bioaccumulative potential Data

not available

12.4 Mobility in soil

Data not available.

12.5 Results of PBT and vPvB assessment

Data not available.

12.6 Other adverse effects

Endocrine disrupting potential one of the ingredients are listed.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste treatment-relevant information Solvent
reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14 - TRANSPORT INFORMATION

14.1 UN number

not subject to transport regulations **14.2**

UN proper shipping name

not assigned **14.3 Transport hazard class(es)**

not assigned **14.4 Packing group**

not assigned **14.5**

Environmental hazards

non-environmentally hazardous acc. to the

dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

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

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT)

Not subject to transport regulations.

International Maritime Dangerous Goods Code (IMDG) Not

subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

SECTION 15 - REGULATORY INFORMATION

Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16 - OTHER INFORMATION

IN CLOSE COOPERATION OF THE US GOVERNMENT'S PAPER REDUCTION ACT, AND ALSO IN EFFORT TO PROVIDE FULL AND COMPLETE INFORMATION AS SUGGESTED BY THE OSHA GUIDELINES, AND KEEPING IN ALIGNMENT WITH THE SOCIETY for CHEMICAL HAZARD COMMUNICATION (SCHC) AND WE HAVE BEEN ABLE TO KEEP ALL IN 4 PAGES..THESE SDS SHEETS ARE WRITTEN IN AN EFFORT TO PROVIDE INFORMATION TO THE WORKER IN THE WORKPLACE AND IN SUCH A WAY IT CAN BE UNDERSTOOD.

We have enjoyed many compliments as to the readability and understandable content, and take great pride in providing these Safety Data Sheets to the use of our customers.

The International Labour Organization has suggested 16 sections of the sheets, and we have re adjusted the 8 part, and rearranged the information, and renamed the sheets from MATERIAL Safety Data Sheets to SAFETY DATA SHEETS.

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED FOR A CONTINUING SAFETY PROGRAM INITIATED BY THE MANUFACTURER/DISTRIBUTOR NAMED ON THIS SHEET. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN.