

1. IDENTIFICATION

Product Identifier

Product Name HTC 53

Recommended use of the chemical and restrictions on use

Recommended use Cleaner/degreaser – dip tank
Restrictions on use For industrial use only

Supplier details

West Penetone Inc.
11411-160 Street
Edmonton, AB,
T5M3T7
Tel: 780-454-3919

Emergency Telephone Number

Canutec (613)-996-6666

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity, oral	Category 4
Acute toxicity, dermal	Category 4
Acute toxicity, inhalation - dusts	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity – single exposure	Category 3
Hazardous to the aquatic environment, acute hazard	Category 3

Label Elements

DANGER

Hazard Statements

Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled
Causes severe skin burns and eye damage
May cause respiratory irritation
Harmful to aquatic life



Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
sodium hydroxide	1310-73-2	40-70
sodium carbonate	497-19-8	10-30
sodium gluconate	527-07-1	3-7
sodium metasilicate	6834-92-0	3-7
sodium alkyl naphthalene sulfonate	9084-06-4	1-5
sodium dodecylbenzene sulfonate	25155-30-0	0.1-1.0

4. FIRST AID MEASURES**Eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

Inhalation

Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Ingestion

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

Contact with eyes may cause serious corneal injury or damage leading to severe irritation, mild scarring to blistering, disintegration, or ulceration, severe scarring and clouding, loss of vision, and permanent blindness. Contact with skin may cause serious burns or irritation with pain, local redness swelling, or blistering, and tissue damage. Inhalation of dust may cause respiratory tract irritation leading to a temporary burning sensation of the nose and throat, coughing, and difficulty breathing. Ingestion can cause serious burns to mouth, esophagus, and stomach.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed including oxides of carbon, silicon, sodium, and sulfur and other irritating gases.

Protective Equipment and Precautions for Firefighter

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Sweep up to prevent slipping hazard.

Environmental Precautions

Avoid flushing product into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Sweep up with broom and keep in suitable, closed containers for disposal. Following product recovery, flush contaminated area with plenty of water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Avoid contact with skin and eyes. Avoid inhalation of dusts.

Conditions for safe storage, including any incompatibilities

Storage Store locked up away from incompatible materials.

Incompatible Materials Acids, strong oxidizing agents, amphoteric or light metals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
sodium hydroxide 1310-73-2	2 mg/m ³ ceiling	2 mg/m ³ ceiling	10 mg/m ³
sodium gluconate 527-07-1	15 mg/m ³ (total) 5 mg/m ³ (respirable)	Not available	Not available
sodium metasilicate 6834-92-0	TWA: 2 mg/m ³	Not available	Not available

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses with side shields or goggles.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory Protection Respiratory protection if ventilation is inadequate or in case of dust release.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :

White powder

ODOR

Odorless

ODOR THRESHOLD :

Not applicable

pH :

13.0 (1% w/v solution)

MELTING POINT / FREEZING POINT :

Not available

BOILING POINT/BOILING RANGE :

Not available

FLASH POINT :

None

VAPOR PRESSURE, mm Hg AT 20°C :

Not applicable

VAPOR DENSITY (Air = 1) :

Not applicable

RELATIVE DENSITY AT 20°C:

Not applicable

SOLUBILITY IN WATER :

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

None

DECOMPOSITION TEMPERATURE:

Not available

EVAPORATION RATE, water = 1 :

Not applicable

FLAMMABILITY (SOLID, GAS):

Not applicable

VISCOSITY:

Not available

FLAMMABLE LIMITS :**UPPER:** Not applicable **LOWER :** Not applicable**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid

Store away from incompatible materials.

Incompatible Materials

Acids, strong oxidizing agents, amphoteric or light metals.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decompositions can lead to release of irritating gases and vapors such as oxides of carbon, silicon, sodium, and sulfur.

11. TOXICOLOGICAL INFORMATION**Acute toxicity****ATE_{mix}** – LD50 oral – approx. ≥ 718 mg/kg (rat), LD50 dermal – approx. ≥ 1543 mg/kg (rabbit), LC50 inhalation-dust – approx. ≥ 2 mg/L – 4 h (rat)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
sodium hydroxide 1310-73-2	500 mg/kg (rabbit)	Not listed	Not listed
sodium carbonate 497-19-8	2800 mg/kg (rat)	>2000 mg/kg (rabbit)	2.3 mg/L (rat)
sodium gluconate 527-07-1	>2000 mg/kg (rat)	Not listed	Not listed
sodium metasilicate 6834-92-0	600 mg/kg (rat)	Not listed	Not listed
sodium alkyl naphthalene sulfonate 9084-06-4	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
sodium dodecylbenzene sulfonate 25155-30-0	500-2000 mg/kg (rat)	Not listed	Not listed

Information on likely sources of exposure**Serious eye damage/irritation**

Corrosive to eyes and may cause grave lesions, including blindness.

Skin corrosion/irritation

Corrosive to skin. May cause irritation, local reddening, blistering, ulceration, discoloration, or permanent scarring of skin, depending on concentration.

Ingestion

May be harmful if swallowed.

Inhalation

May be harmful if inhaled.

Delayed and immediate effects and also chronic effects from short and long-term exposure**Respiratory or skin sensitization**

Not a sensitizer.

Germ cell mutagenicity

None known.

Carcinogenicity

No information available

Reproductive toxicity

No information available

STOT - single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration Hazard

None.

Symptoms related to the physical, chemical and toxicological characteristics

Eye damage. Skin irritation and possible sensitization.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

If available, ecotoxicity values of individual components are shown below.

Chemical Name	Fish	Waterflea	Algae
sodium hydroxide 1310-73-2	1149 mg/L: 96 h rainbow trout LC50	Not available	Not available
sodium carbonate 497-19-8	300 mg/L: 96 h bluegill sunfish	227-1200 mg/L: 48 h ceriodaphnia EC50	Not available
sodium gluconate 527-07-1	>1000 mg/L: 96 h fish LC50	>1000 mg/L: 48 h daphnid EC50	>1000 mg/L: 96 h green algal EC50
sodium alkyl naphthalene sulfonate 9084-06-4	>100 mg/L: 96 h brachydanio rerio LC50	Not available	Not available
sodium dodecylbenzene sulfonate 25155-30-0	3.2-5.6 mg/L: 96 h rainbow trout LC50	6.3 mg/L: 48 h daphnia magna EC50	Not available

Persistence and degradability

Not applicable to inorganic materials.

Bioaccumulative potential

Accumulation in organisms is not to be expected.

Mobility in soil

Inorganic substances will dissociate into ions.

Other adverse effects

Do not release untreated into natural waters. No other adverse environmental effects are expected.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION**TDG classification**

UN 3262, Corrosive Solid, Basic, Inorganic, N.O.S. (contains sodium hydroxide), Class 8, PG II

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

11 May 2017

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS