

KAWAGUCHI
CHEMICAL INDUSTRY CO., LTD

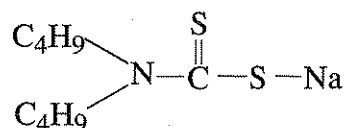
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Material Safety Data Sheet No. 152

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

ACCEL TP

40% aqueous solution



Kawaguchi Chemical Industry Co., Ltd.
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2. COMPOSITION

CHEMICAL NAME: Sodium dibutyldithiocarbamate

FORMULA: $\text{C}_8\text{H}_{18}\text{NS}_2 \cdot \text{Na}$ M. W. 227.39

CAS No. : 136-30-1

EINECS No. : 205-238-0

UN No. : --- UN CLASS: ---

3. HAZARDS IDENTIFICATION

Toxic if swallowed, inhaled, or absorbed through skin.

4. FIRST-AID MEASURES

In case of contact with eyes: Flush with copious amounts of water for at least 15 minutes.

Regardless of the symptom, it takes medical advice of the doctor.

In case of skin contact: Flush with copious amounts of water and soap.

Remove contaminated clothing and shoes.

If ingested: Wash out mouth with water and call a physician.

If inhaled: Remove to fresh air and call a physician.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: water, carbon dioxide, dry chemical powder, foam

Combustion causes toxic and irritant fumes. Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Put on protective equipment. Avoid formation of vapor or mist.

Take up mechanically fill into closed containers for disposal.

Do not contaminate waterways with waste product.

Avoid discharge into environment.

7. HANDLING AND STORAGE

HANDLING: Use efficient exhaust ventilation. Do not inhale vapor or mist.

Avoid contact with eyes and skin. Do not inhale dust.

Avoid ingestion absolutely.

STRAGE: Store in a cool dry place, away from foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local ventilation at places where vapor can be released into the workplace air.

OCCUPATIONAL EXPOSURE LIMITS: TLV not established. (ACGIH)

PERSONAL PROTECTION

EYE PROTECTION: Chemical safety Goggles

HAND PROTECTION: Chemical resistant Gloves

RESPIRATORY PROTECTION: Dust-protection mask

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Slightly yellow transparent solution

ODOR : Slightly amine odor

PH: 1.2 max. (40% aqueous solution)

SPECIFIC GRAVITY: 1.07~1.14 (40% aqueous solution)

SOLUBILITY IN WATER: Soluble

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal condition.

INCOMPATIBILITY: Oxidizing agents, Acids, Acid chlorides, Acid anhydride

HAZARDOUS DECOMPOSITION PRODUCTS: CO_2 , SO_x , NO_x

HAZARDOUS POLYMERIZATION :Will not occur.

11. TOXICOLOGICAL INFORMATION

May cause irritation of eyes and skin.

IRRITATION: (1)

ACUTE TOXICITY: Oral-rat LD_{50} 650~1,400mg/kg(Solid type) (1)

Intraperitoneal-mouse LD_{50} 300mg/kg(Solid type) (2)

MUTAGENICITY: .

CARCINOGENICITY: Not listed on IARC, OSHA, NTP, EU, EPA, ACGIH.

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: Not available.

BIOACCUMULATION : Not available.

13. DISPOSAL CONSIDERATION

May be incinerated in a suitable facility provided local regulations are observed.

Avoid discharge into environment.

14. TRANSPORT INFORMATION

IMDG-CODE: ---

UN No. : ---

15. REGULATORY INFORMATION

This material is listed on the TSCA inventory list, EINECS list.

16. OTHER INFORMATION

REFERENCES

- (1) Rubber Chemical Safety Data and Handling Precautions, Section 5, WTR 42 (1984)
(International Working Group on the Toxicology of Rubber Additives)
 - (2) Registry of Toxic Effects of Chemical Substances, No. EZ3880000 (1999) (NIOSH)
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The information is based on current knowledge and experience.

The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. All chemicals may present unforeseen risks and should be used with caution. The information does not signify any warranty with regard to the products' properties.